XO-D1/D1CD

SERVICE MANUAL

AEP Model
UK Model
E Model
Italian Model
XO-D1:

UK Model
XO-D1CD:

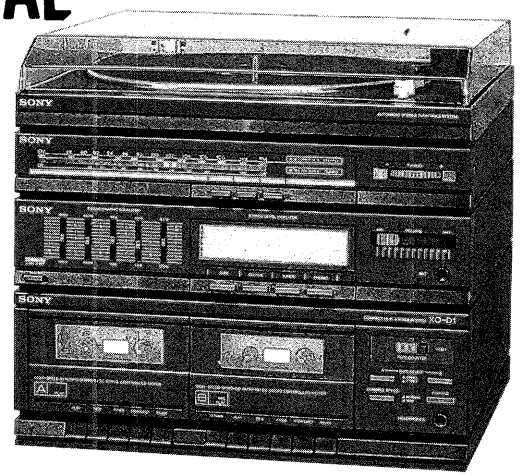

PHOTO : UK MODEL

Model Name Using Similar Mechanism	HST-550W
Tape Transport Mechanism Type	TCM-YMW47-315C

SPECIFICATIONS

Amplifier section

Continuous RMS power output (AEP, UK, ITALY, G-AEP MODEL)
20 + 20 watts (6 ohms, at 1 kHz, 10% THD)
Peak music power output (E MODEL)
350 watts

Inputs	Sensitivity	Impedance
PHONO (phono jacks)	3.5 mV	50 kilohms
CD/AUX (phono jacks)	400 mV	50 kilohms
MIC (phone jack)	1 mV	Low impedance

Outputs

HEADPHONES (stereo phone jack)	Accepts low impedance headphones
SPEAKER	Accepts speakers of 6 ohms

Tuner section

System FM stereo, FM/AM superheterodyne tuner

FM tuner

Tuning range	87.5 – 108 MHz
Antenna terminals	75 ohms unbalanced
Intermediate frequency	10.7 MHz
Signal-to-noise ratio	70 dB (mono)

MW/LW tuner: AEP, UK, ITALY, G-AEP MODEL

	MW	LW
Tuning range	522 – 1611 kHz	144 – 288 kHz
Antenna	Built-in ferrite-bar antenna External antenna terminal	
Intermediate frequency	450 kHz	

SW/MW tuner: E MODEL

	SW1	SW2	MW
Tuning range	3.2 – 7.3 MHz	9.5 – 21.75 MHz	531 – 1602 kHz
Antenna	Built-in ferrite-bar antenna External antenna terminal		
Intermediate frequency	450 kHz		

Deck section

Recording system 4-track 2-channel stereo
Frequency response With Type II cassette (Sony UCX)
60 – 14,000 Hz (±3 dB)
With Type I cassette (Sony HF-S)
60 – 13,000 Hz (±3 dB)

Turntable section

Platter 30 cm (12 in.)
Motor DC servo motor
Drive system Belt drive
Speed 33⅓ rpm/45 rpm switchable
Wow and flutter 0.15% (WRMS)
Signal-to-noise ratio
65 dB (DIN-B)
Automatic system Return
Tonearm Dynamically balanced
Cartridge type Moving magnet type
Frequency response 20 Hz – 20 kHz
Stylus Sony ND-155G

COMPACT HI-FI STEREO SYSTEM

SONY®

General

Dimensions	355 x 327 x 340 mm (w/h/d) (14 x 12 7/8 x 13 1/2 inches)
Weight	7 kg (15 lb 7 oz): AEP, UK, ITALY, G-AEP MODEL 8 kg (17 lb 11 oz): E MODEL
Power requirements	220 V AC, 50/60 Hz: AEP, ITALY, G-AEP MODEL 240 V AC, 50 Hz: UK MODEL 110 – 120 V/220 – 240 V, switchable, 50/60 Hz: E MODEL
Power consumption	55 W: AEP, ITALY, G-AEP MODEL 110 W: UK (XO-D1) MODEL 120 W: UK (XO-D1CD) MODEL 160 W: E MODEL
Accessory supplied	FM antenna wire (1) (except in G-AEP MODEL)

SS-D1 (E MODEL only)

Speaker system	2 way speaker system
Impedance	6 ohms
Dimensions	Approx. 230 × 362 × 224 mm (w/h/d) (9 1/8 × 14 1/4 × 8 7/8 inches)
Weight	Approx. 4.5 kg (9 lb 15 oz)

Note

This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppression.

FEATURES

The XO-D1 comes with:

Amplifier
- 20 W per channel output power
- 5-band graphic equalizer

Tuner
- 3-band (FM, MW, LW): AEP, UK, ITALY, G-AEP MODEL
- 4-band (FM, MW, SW1, SW2): E MODEL

Double Cassette Deck
- NORMAL or HI-SPEED tape-to-tape dubbing.

In addition, the XO-D1CD comes with:

CD player
- PROGRAM play (lets you choose order of play)
- SHUFFLE (random order) play
- REPEAT play (for single selection, entire disc, PROGRAM series, SHUFFLE play)

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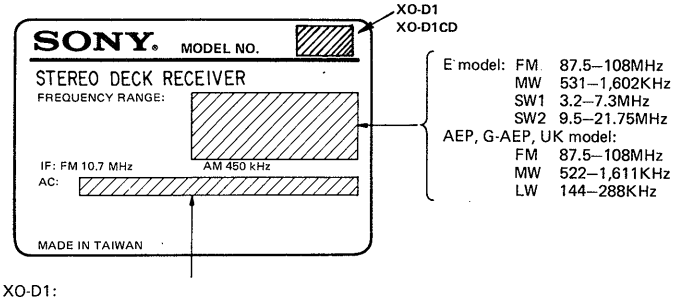
MODEL IDENTIFICATION

– Specification Label –

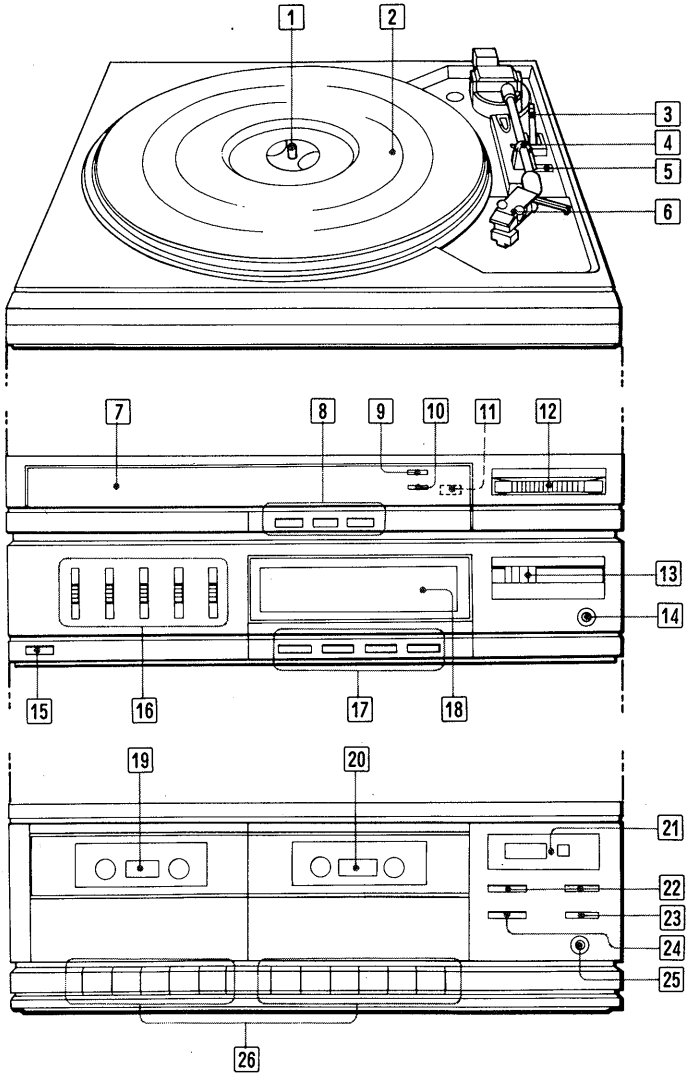


XO-D1:
E model : 110V–120V/220V–240V~50/60Hz
UK model : 240V~50Hz 110W
AEP, G-AEP model : 220V~50/60Hz 55W
XO-D1CD:
UK model : 240V~50Hz 120W

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

LOCATION AND FUNCTION OF PARTS AND CONTROLS



[1] **Center spindle**

[2] **Rubber mat**

[3] **Cueing lever (▼ ▼)**
Allows manual raising and lowering of tonearm.

[4] **Arm rest**

[5] **SPEED select lever**
Allows selection of 45 rpm or 33 rpm turntable speed.

[6] **Cartridge**

[7] **Dial scale**

[8] **BAND SELECTOR**

[9] **STEREO indicator**

[10] **TUNED indicator**

[11] **FINE TUNING dial** (E MODEL only)
Use for extra-sharp short-wave tuning.

[12] **TUNING dial**
Use to select the desired radio station.

[13] **VOLUME control**

[14] **MIC (microphone) jack**

[15] **POWER switch**

[16] **5 BAND GRAPHIC EQUALIZER controls**
Allows sophisticated tone control.

[17] **Function selector**
Selects the source to be output.
TAPE button: Outputs Tape deck A or Tape deck B.
CD/AUX button: Outputs the source connected to the rear panel CD/AUX input.
TUNER button: Outputs radio programs.
PHONO button: Outputs phonograph records played on the turntable.

[18] **STEREO LEVEL INDICATOR**

[19] **Tape deck A**

[20] **Tape deck B**

[21] **TAPE COUNTER and RESET button**
Use to index and quickly locate desired points on tape.
RESET returns counter to 000.

[22] **TAPE SELECT buttons**
Allow selection of tape bias/equalization; Type I = 120 μS/NORMAL; Type II = 70 μS/HIGH

[23] **RECORD indicator**
Lights to show recording in progress.

[24] **DUBBING SPEED button**
Allows selection of high speed tape dubbing.

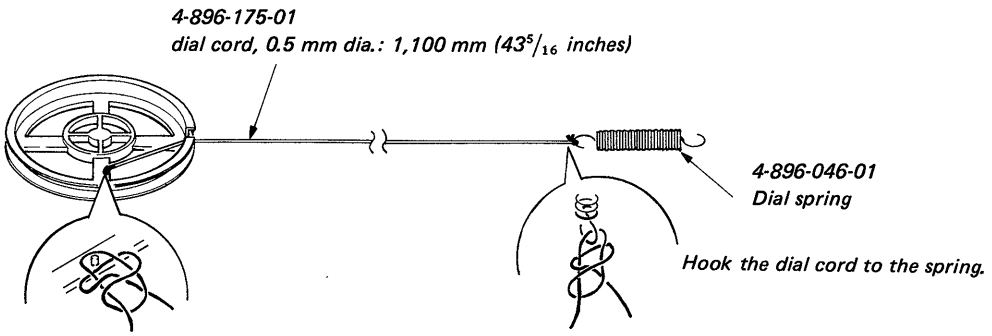
[25] **HEADPHONES jack (stereo phone jack)**

[26] **Tape operation buttons**
- ● (record) button (deck B only)
- ▶ (playback) button
- ◀◀ (rewind) button
- ▶▶ (fast forward) button
- ■/⏏ (stop/eject) button
- ▮▮ (pause) button

DIAL CORD STRINGING

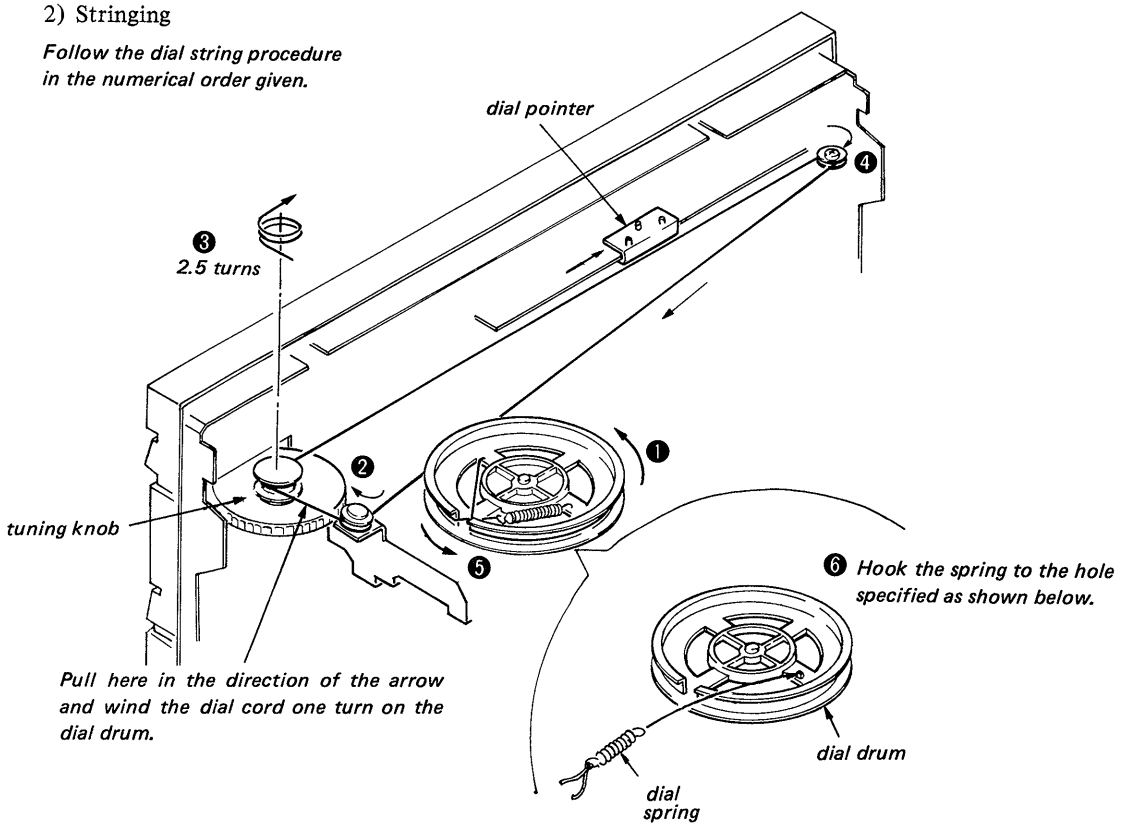
• Remove tuner board. (Refer to pages 7 and 8)

1) Preparation



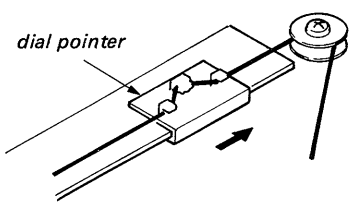
2) Stringing

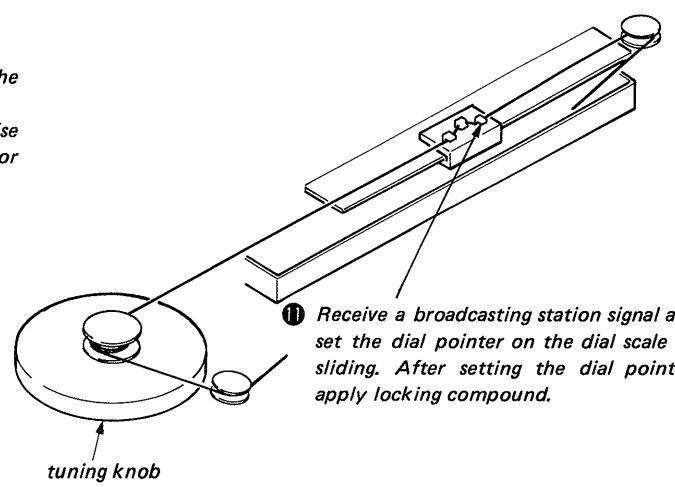
Follow the dial string procedure in the numerical order given.


dial pointer
❸ 2.5 turns
❹
❷
❶
❺
tuning knob
Pull here in the direction of the arrow and wind the dial cord one turn on the dial drum.
❻ Hook the spring to the hole specified as shown below.
dial drum
dial spring

3) Dial Pointer Installation

❼ *Turn the tuning knob fully clockwise.*
❽ *Set the dial pointer to the rightmost stop and put the dial cord on the dial pointer.*
❾ *Turn the tuning capacitor shaft fully counterclockwise (MIN) and put the dial drum on the tuning capacitor shaft.*
❿ *Install tuner board.*




⓫ Receive a broadcasting station signal and set the dial pointer on the dial scale by sliding. After setting the dial pointer, apply locking compound.
tuning knob

SECTION 1
ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol -moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

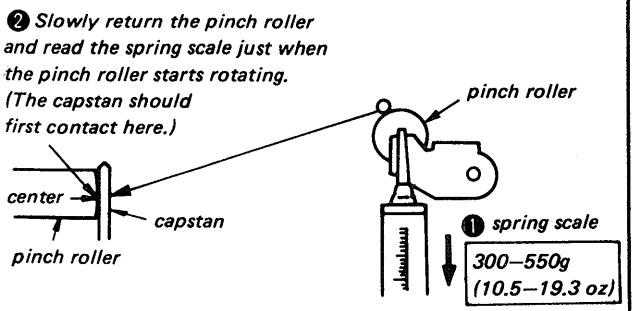
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30 – 70 g•cm (0.42 – 0.97 oz•inch)
FWD Back tension	CQ-102C	1.5 – 5.5 g•cm (0.020 – 0.076 oz•inch)
FF, REW	CQ-201B	63 g•cm or more (0.87 oz•inch)

Pinch Roller Pressure Measurement

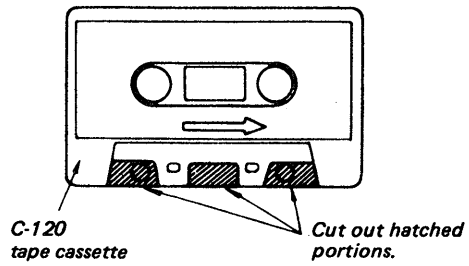
– Playback Mode –


❷ Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating. (The capstan should first contact here.)
pinch roller
center
capstan
pinch roller
❶ spring scale
300–550g (10.5–19.3 oz)

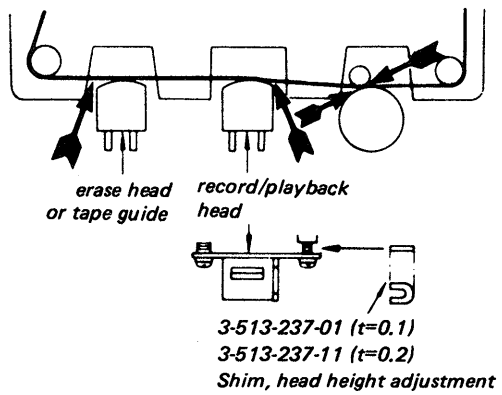
Head Height Adjustment

– Playback Mode –

1. Prepare an adjustment cassette as shown below.



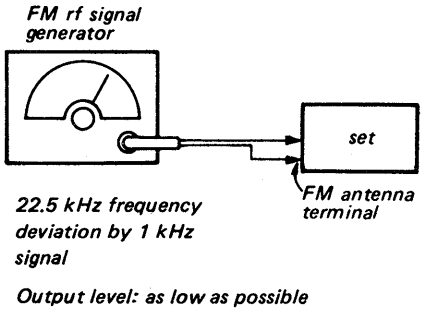
2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by arrows.

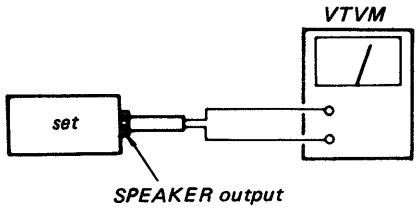


1-2. ELECTRICAL ADJUSTMENTS

TUNER SECTION

- **FM SECTION**


FM rf signal generator
set
FM antenna terminal
22.5 kHz frequency deviation by 1 kHz signal
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM Frequency Coverage Adjustment: AEP, UK, E, G-AEP MODEL

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	87.2 MHz	L003	maximum
f maximum	108.5 MHz	CT002	

FM Frequency Coverage Adjustment: ITALY MODEL

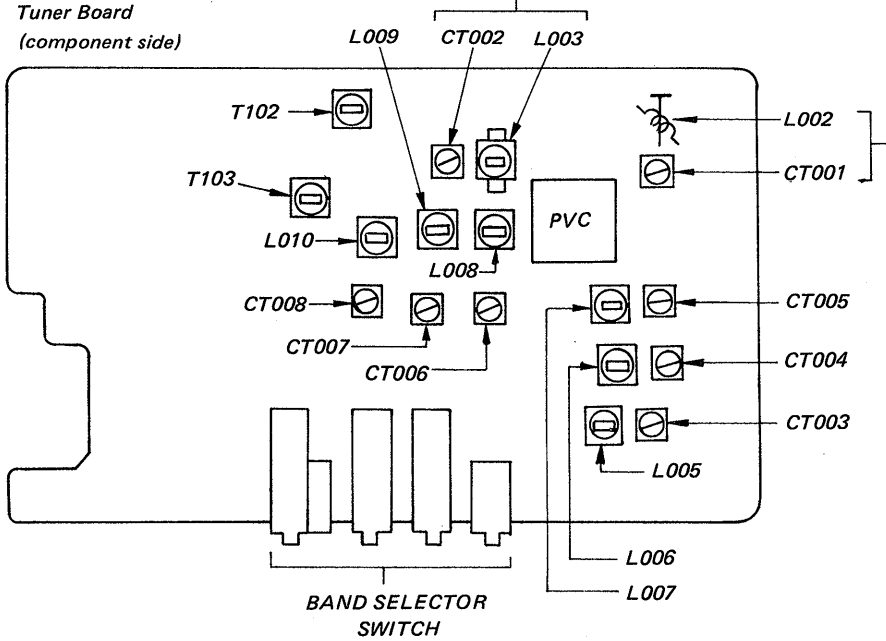
Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	87.2–87.5 MHz	L003	maximum
f maximum	108.0–108.5 MHz	CT002	

FM Tracking Adjustment

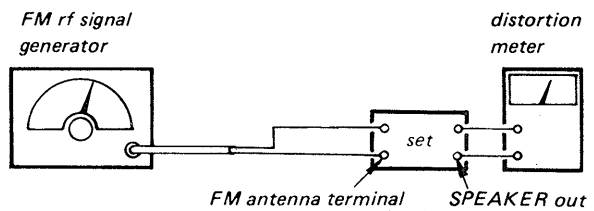
SG and set frequency	Adjustment part	Reading on VTVM
90 MHz	L002	maximum
106 MHz	CT001	

Adjustment Location:

Tuner Board (component side)



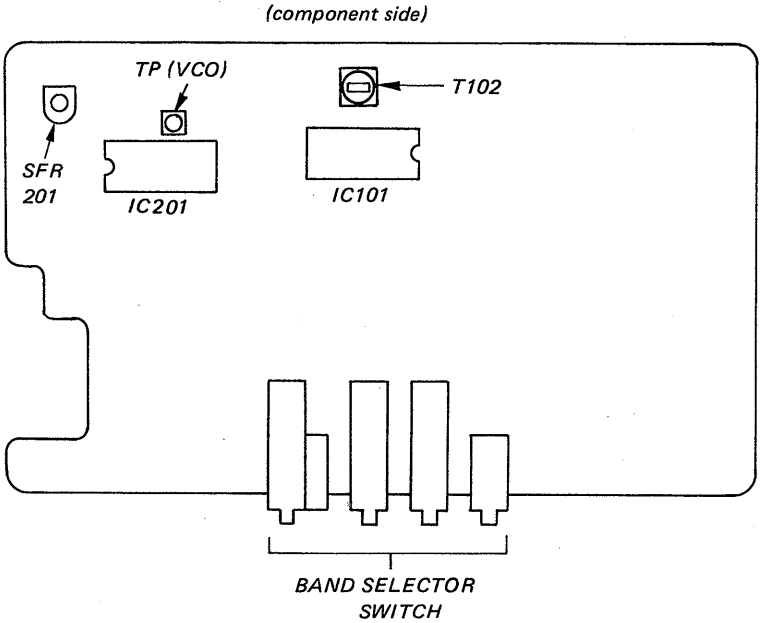
FM IF ALIGNMENT



Carrier frequency: *98 MHz*
Output level: *1 mV (60 dB)*
Modulation: *1 kHz, 40 kHz deviation*
Mode: *mono*

1. Tune the set to 98 MHz.
2. Adjust the core of T102, T001 for a minimum reading on the distortion meter.

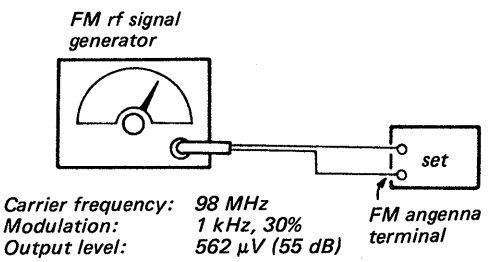
Adjustment Location: *Tuner Board (component side)*



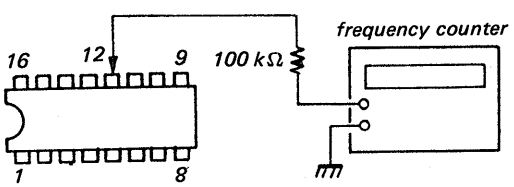
VCO Adjustment

A) Regular Method

Procedure:



Carrier frequency: *98 MHz*
Modulation: *1 kHz, 30%*
Output level: *562 µV (55 dB)*

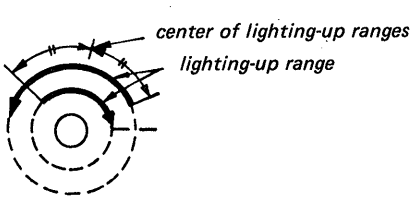


1. Tune the set to 98 MHz.
2. Adjust SFR201 for 19 kHz ±50 Hz on the counter.

B) Simple Method

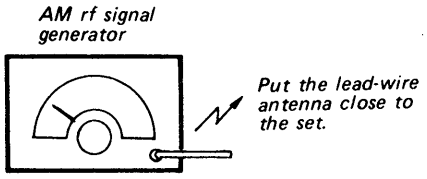
Procedure:

1. Tune the set to the FM stereo broadcasting signal.
2. Turn SFR201 clockwise or counterclockwise and memorize the lighting-up range of the stereo lamp.
3. Secure SFR201 at the center of the lighting-up range of both turns as shown below.

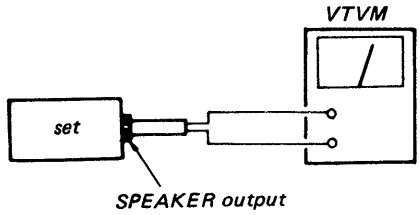


- **AM SECTION**

LW : AEP, UK, ITALY, G-AEP MODEL



30% amplitude modulation by 400 Hz signal
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

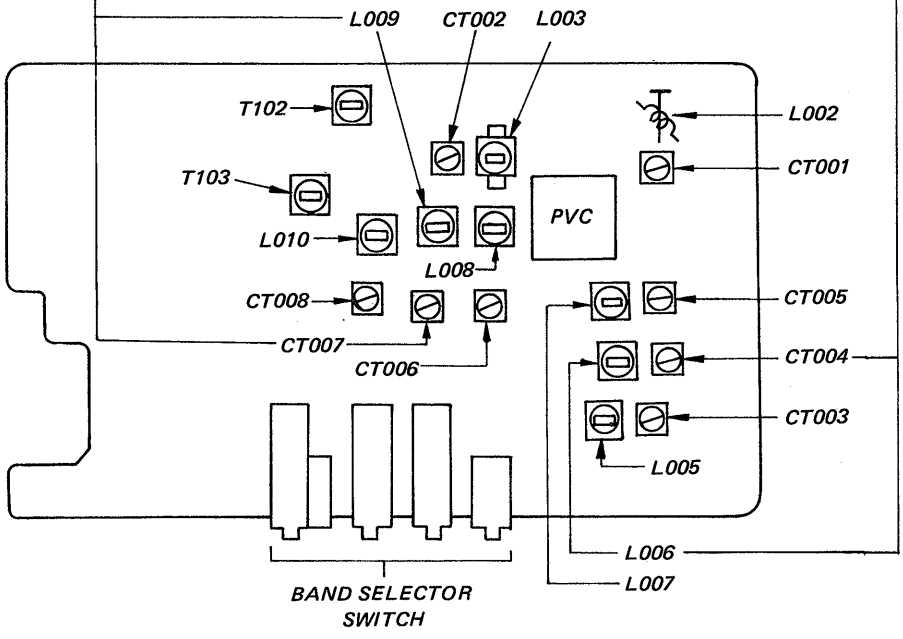
Lw Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	136 kHz	L009	maximum
f maximum	296 kHz	CT007	

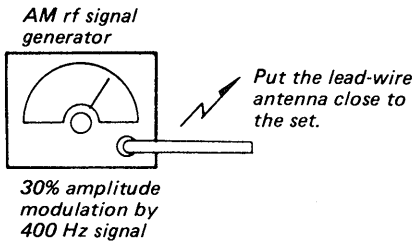
LW Tracking Adjustment

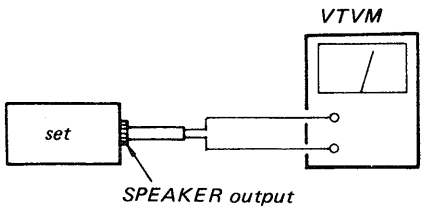
SG and set frequency	Adjustment part	Reading on VTVM
170 kHz	L006	maximum
270 kHz	CT004	

Adjustment Location: *Tuner Board (component side)*



MW


AM rf signal generator
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

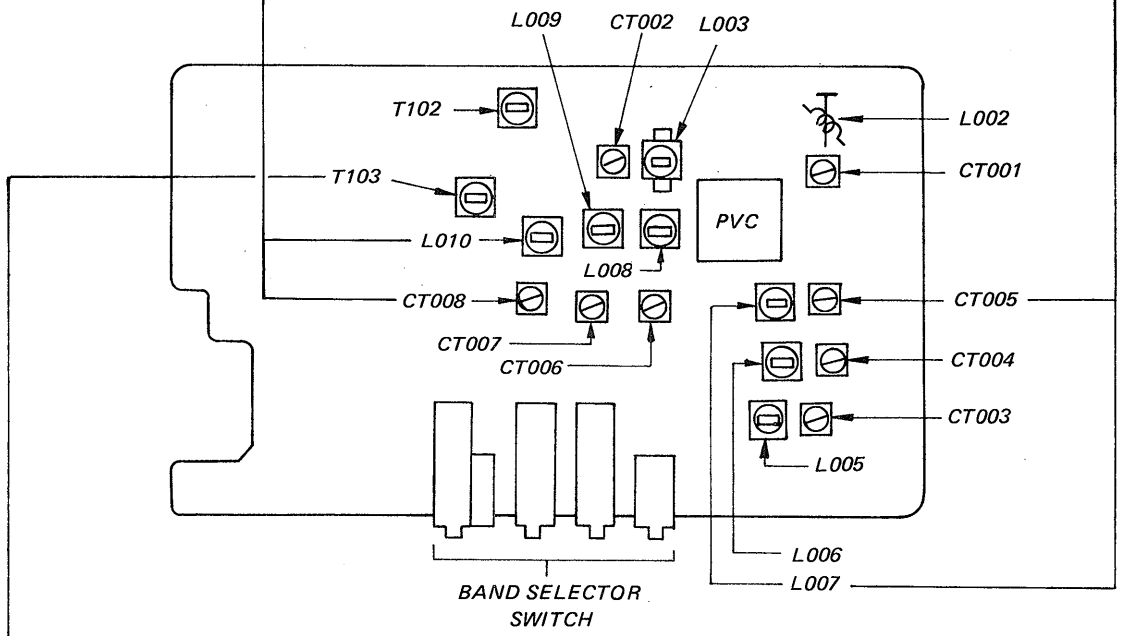
MW Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	514 kHz	L010	maximum
f maximum	1,634 kHz	CT008	

MW Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
600 kHz	L007	maximum
1,400 kHz	CT005	

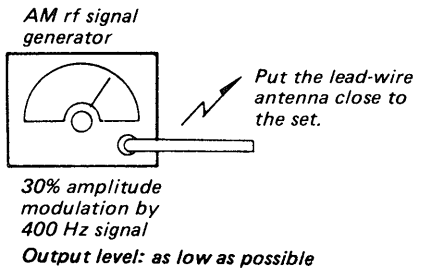
Adjustment Location: *Tuner Board (component side)*

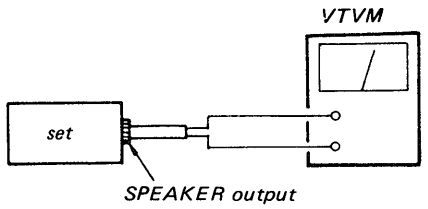


LW/MW/SW IF Alignment

SG and set frequency	Adjustment part	Reading on VTVM
450kHz (SG) 1,000kHz (set)	T103	maximum

SW : E MODEL


AM rf signal generator
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

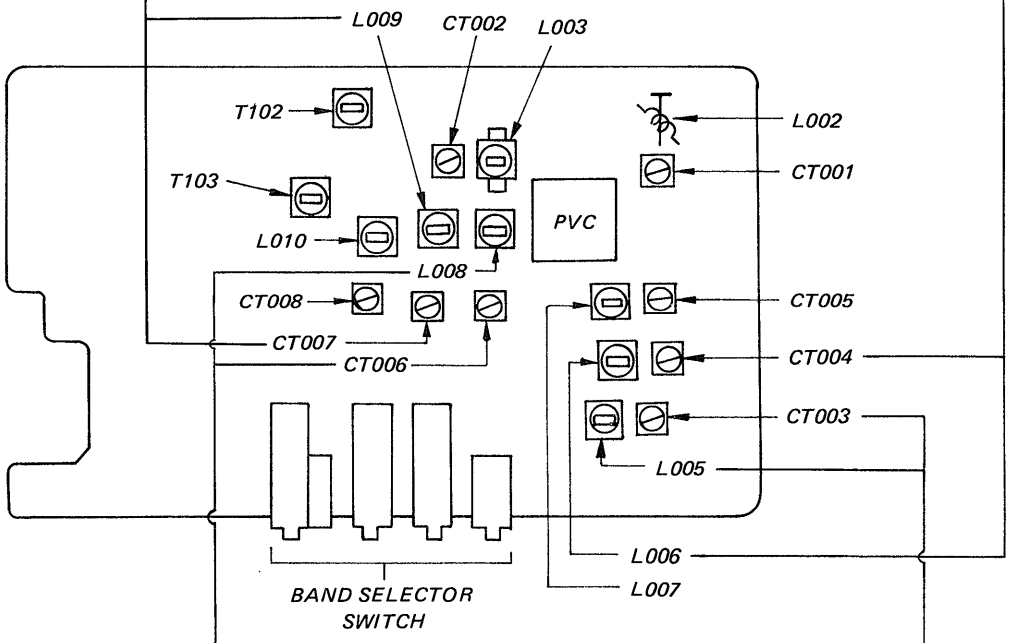
SW1 Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	3.0 MHz	L009	maximum
f maximum	7.6 MHz	CT007	

SW1 Tracking Adjustment

SG and set frequency	Adjustment part	Reading VTVM
3.5 MHz	L006	maximum
7.0 MHz	CT004	

Adjustment Location: *Tuner Board (component side)*



SW2 Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	9.0MHz	L008	maximum
f maximum	22.4 MHz	CT006	

SW2 Tracking Adjustment

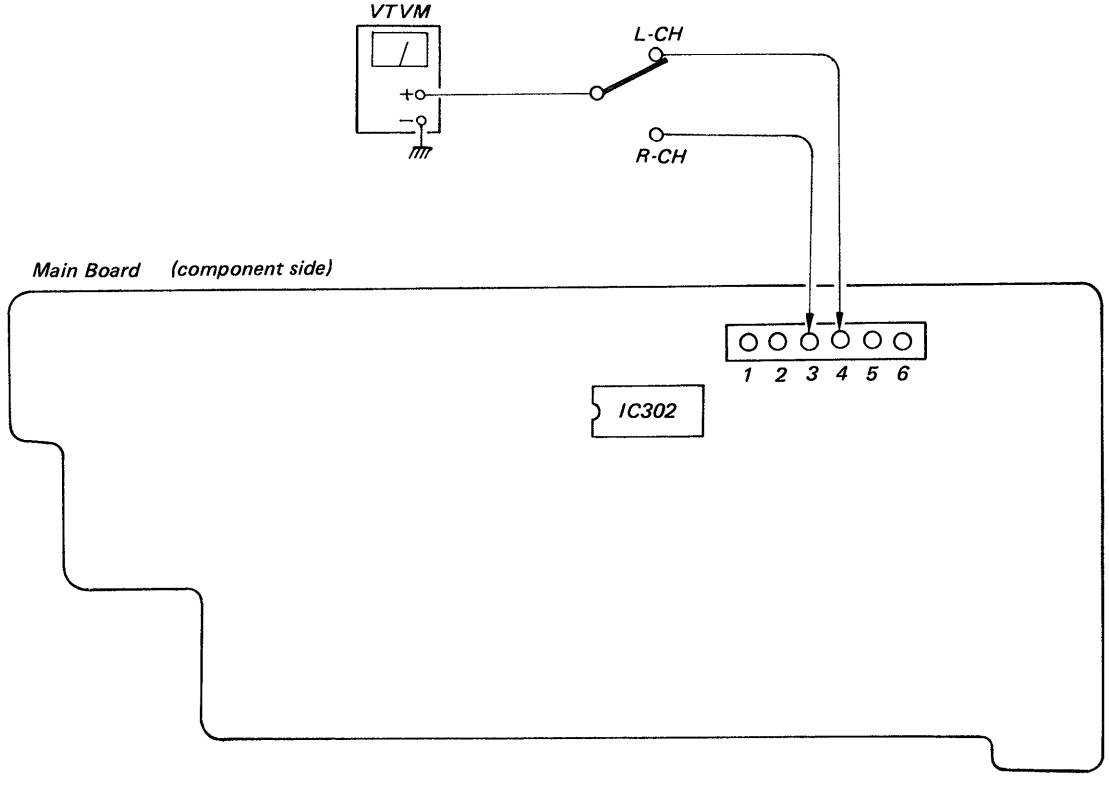
SG and set frequency	Adjustment part	Reading on VTVM
10.0 MHz	L005	maximum
20.0 MHz	CT003	

CASSETTE DECK SECTION

Note: The adjustment should be performed in the order given in this service manual. (Playback section may be adjusted earlier than record section.)
The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.
  DUBBING SPEED switch: NORMAL
  ISS switch: 1
  TAPE SELECT switch: TYPE I

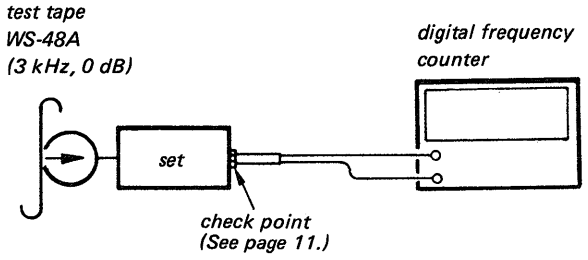
- **Output level check point**



Tape Speed Adjustment

Procedure:

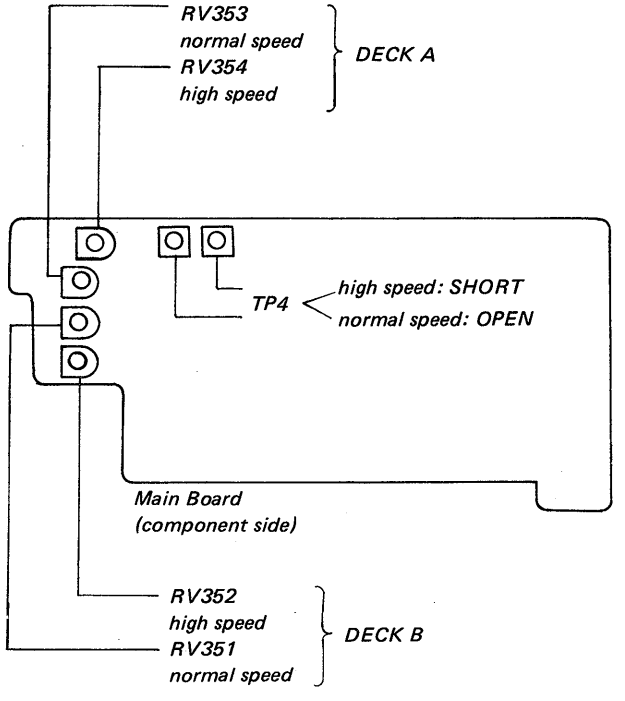
Mode: playback



Specifications:

	Adjustment part		Test pin (TP4)	Digital frequency counter
Normal speed	Deck A	RV353	OPEN	2950 – 3050 Hz
	Deck B	RV351		
High speed	Deck A	RV354	SHORT	5950 – 6050 Hz
	Deck B	RV352		

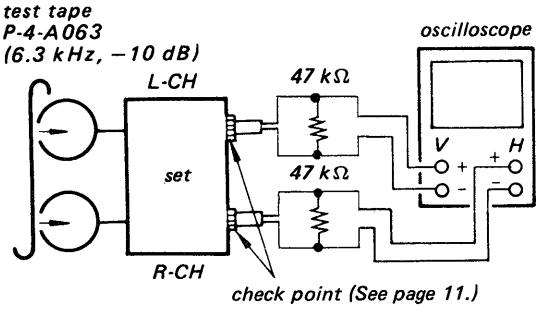
Adjustment Location: Main Board



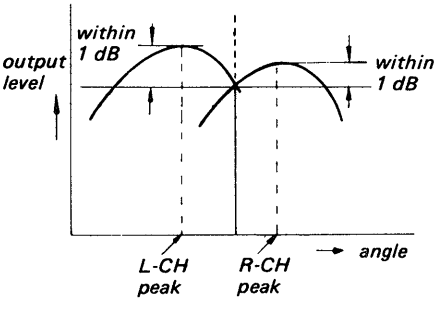
Record/playback Head Azimuth Adjustment

Procedure:

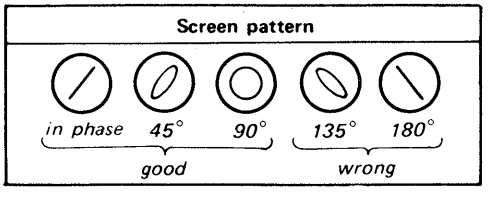
1. Mode: playback



2. Adjust the adjustment screw so that amplitude of output pattern becomes in maximum both in vertically and horizontally within the good range shown below. Output-level difference between channels should be within 1 dB.

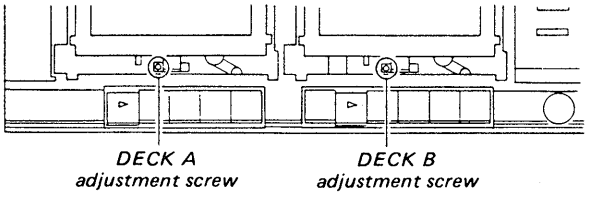


Phase Check



3. After the adjustment finishing with tightening direction, lock the adjustment screw with locking compound.
4. After the locking compound dried out, reassemble the function switch block.

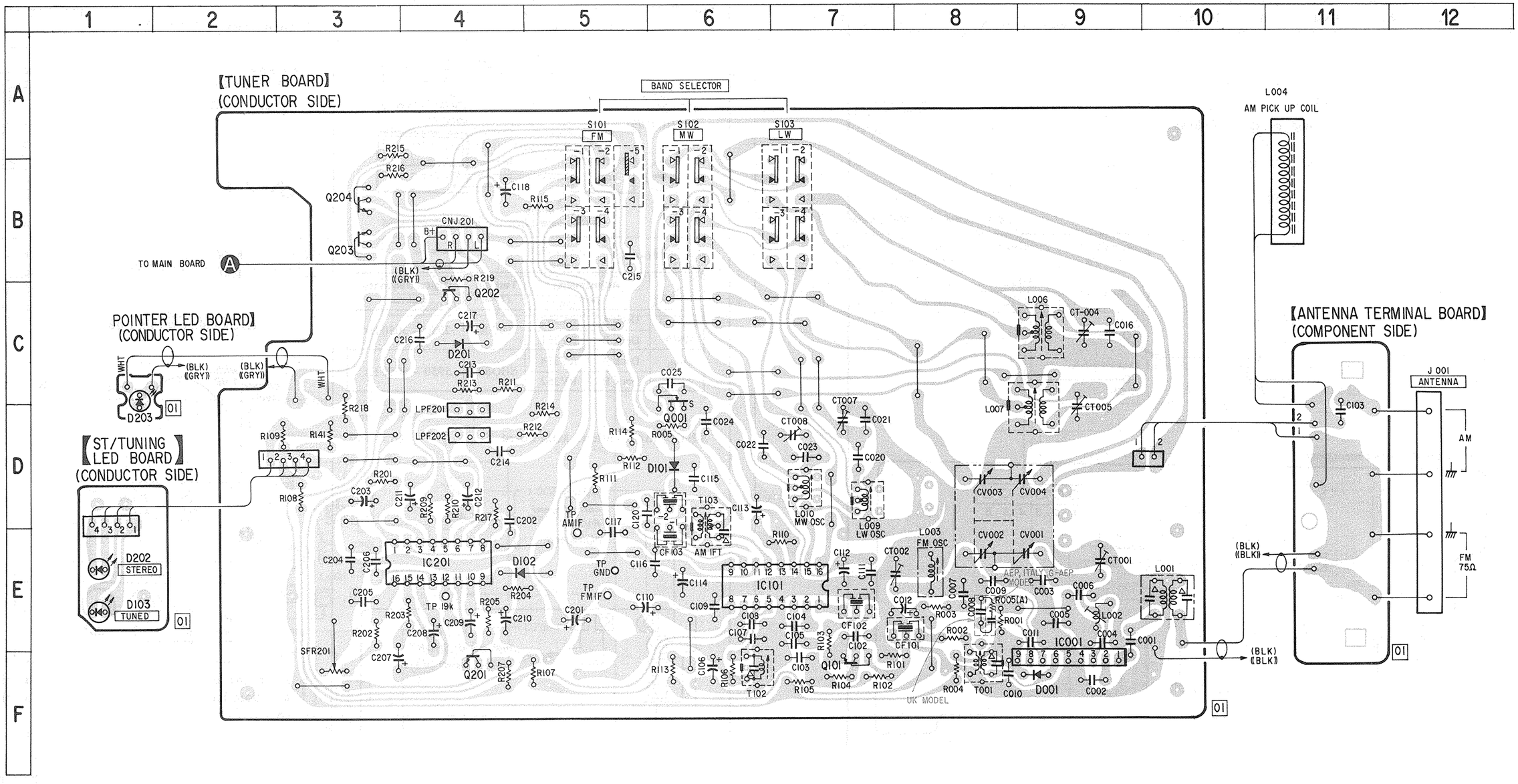
Adjustment Location: Remove the Cassette holder.



SECTION 2
DIAGRAMS

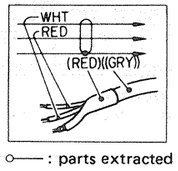
2-1. MOUNTING DIAGRAMS (1) –TUNER SECTION – AEP, UK, ITALY, G-AEP MODEL

● Refer to page 21 for Semiconductor Lead Layouts.



Note:

- Color code of sleeving over the end of the jacket.

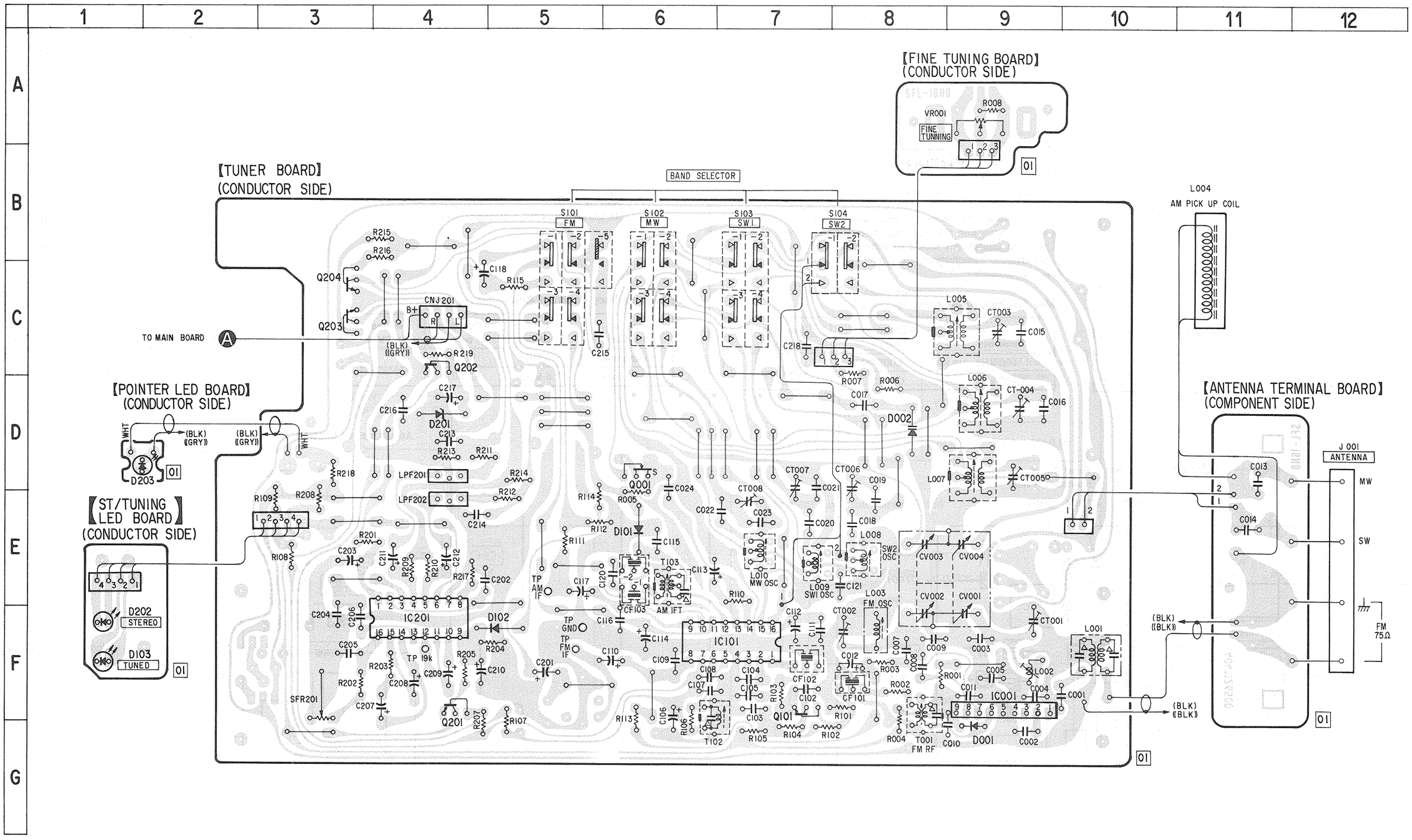


- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ⬚: indicates side identified with part number.

● SEMICONDUCTOR LOCATION

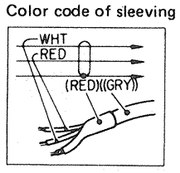
Ref.No.	Location	Ref.No.	Location	Ref.No.	Location
IC001	F-9	Q001	D-6	D001	F-9
IC101	E-6	Q101	F-7	D101	D-6
IC201	E-4	Q201	F-4	D102	E-4
		Q202	C-4	D103	E-1
		Q203	B-3	D201	C-4
		Q204	B-3		
				D202	E-1
				D203	C-1

E MODEL



Note:

- Color code of sleeving over the end of the jacket.

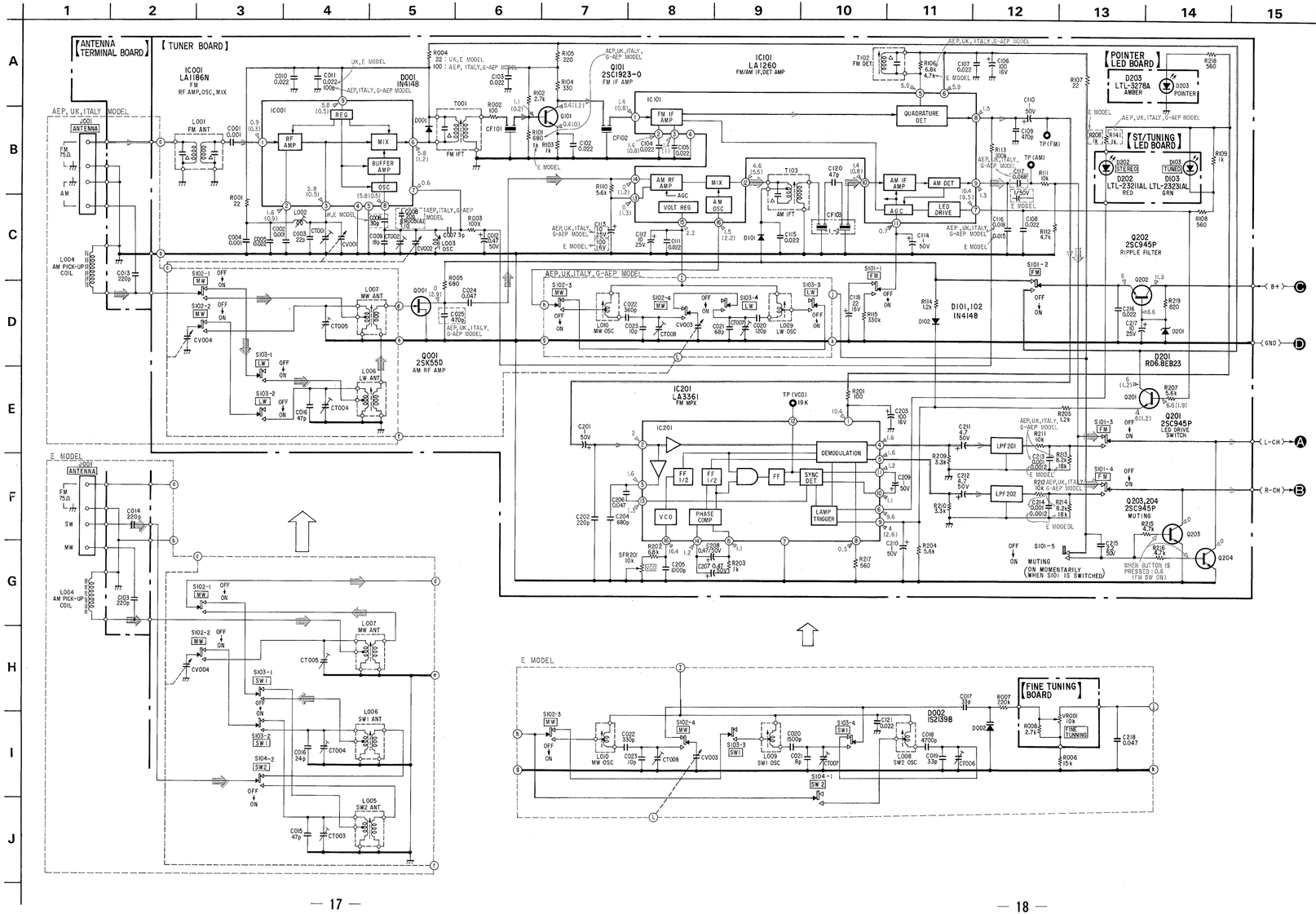


- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- [ ]— : indicates side identified with part number.

●SEMICONDUCTOR LOCATION

Ref.No.	Location	Ref.No.	Location	Ref.No.	Location	Ref.No.	Location
IC001	F-9	Q001	D-6	D001	G-9	D201	D-4
IC101	F-7	Q101	F-7	D002	D-8	D202	F-1
IC201	F-4	Q201	F-4	D101	E-6	D203	D-1
		Q202	C-4	D102	F-5		
		Q203	C-3	D103	F-1		
		Q204	C-3				

2-2. SCHEMATIC DIAGRAM (1) – TUNER SECTION –



Note:

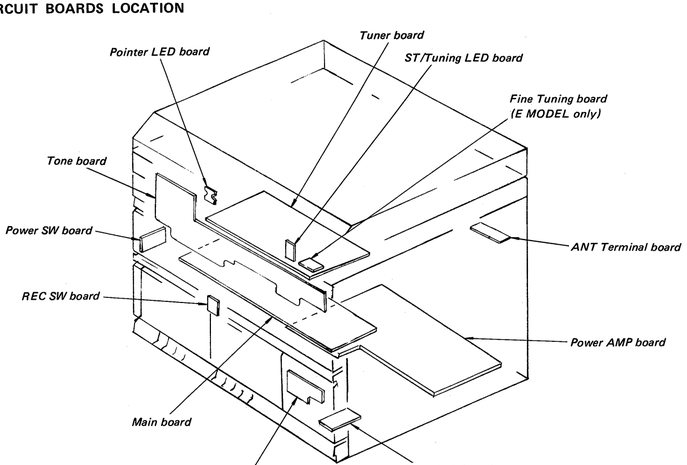
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ⊖ ——— : FM signal path
  ⇨ : MW signal path
  ⇨ : LW, SW signal path
- Δ : internal component.
- Switch with sliding contact indicated by hatched lines shows shorting type.

- Switch

Ref. No.	Switch	Position
S101-1–4	FM	OFF
S101-5	MUTING	OFF
S102-1–4	MW	OFF
S103-1–4	LW, SW1	OFF
S104-1, 2	SW2	OFF

- ⊖ ——— : B+ bus.
- ⊖ ═══ : B– bus.
- ⊖ □ : adjustment for repair.
- ⊖ Voltages are dc with respect to ground unless otherwise noted.
- ⊖ Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  no mark : FM
  ( ) : MW
  < > : LW, SW1, SW2
- ⊖ Voltage variations may be noted due to normal production tolerances.

CIRCUIT BOARDS LOCATION



MEMO

Semiconductors Lead Layout

BA313

LA1186
LB1403

LA1260
LA3361
LA3600
TA7668BP
TA7784P

LA3161

STK4121II
STK4151II

2SA733-P
2SC945-P
2SC1815-GR
2SC2001-L

2SC403SP-51

2SD882

2SK55-D

LTL3271A
LTL44514J-31 YEL
LTL23211AL RED
LTL23231AL GRN

LTL-3211A RED

LTL-3278A AMBER

RD12EB2
RD6.2EB2
IS1555
IS2139B
10E2

2KBP02
KBU4D

●SEMICONDUCTOR LOCATION

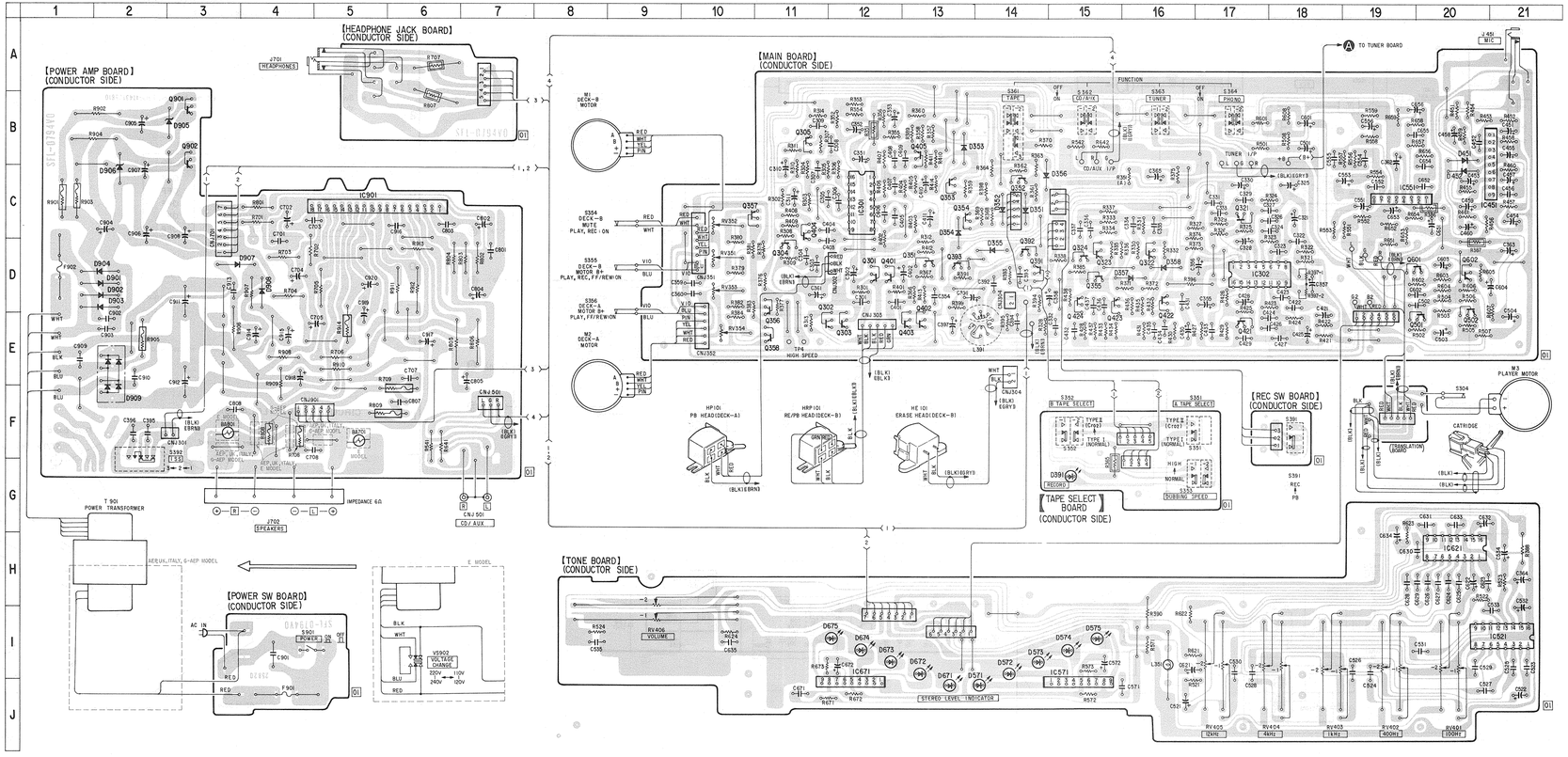
Ref.No.	Location	Ref.No	Location
IC301	C-12	Q502	E-20
IC302	D-17	Q601	D-20
IC451	B-21	Q602	D-20
IC521	I-21	Q901	B-3
IC551	C-19	Q902	B-3
IC571	J-15		
IC621	H-20	D351	C-14
IC971	J-12	D352	C-14
IC901	C-5	D353	B-13
		D354	C-13
		D355	D-14
Q301	D-12		
Q302	E-12	D356	D-14
Q303	E-12	D357	D-16
Q304	D-11	D358	D-16
Q305	B-11	D391	G-15
		D451	B-20
Q321	C-17		
Q322	D-16	D452	C-20
Q323	D-15	D571	J-14
Q324	D-15	D572	I-14
Q351	D-13	D573	I-14
		D574	I-15
Q352	C-14		
Q353	C-13	D575	I-15
Q354	C-13	D671	J-13
Q355	D-15	D672	I-13
Q356	D-11	D673	I-12
		D674	I-12
Q357	C-11		
Q358	E-11	D675	I-12
Q391	G-14	D901	D-2
Q392	D-14	D902	D-2
Q393	D-13	D903	D-2
		D904	D-2
Q401	D-12		
Q402	E-13	D905	B-3
Q403	E-13	D906	C-2
Q404	C-11	D907	D-3
Q405	B-13	D908	D-4
		D909	E-2
Q421	E-17		
Q422	D-16		
Q423	D-15		
Q424	D-15		
Q501	E-20		

Note:

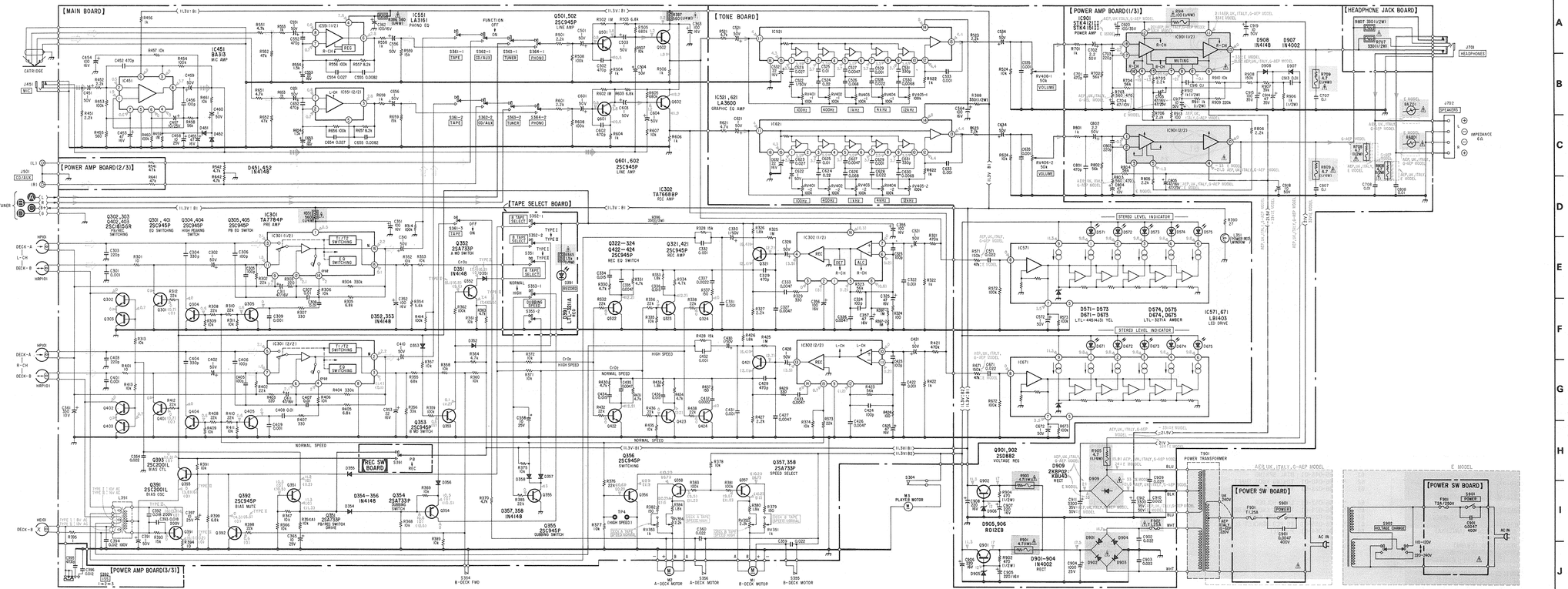
- Color code of sleeving over the end of the jacket.

- ○——: parts extracted from the component side.
- ●——: parts extracted from the conductor side.
- ⬚ : indicates side identified with part number.

2-3. MOUNTING DIAGRAM (2)
— AMP AND POWER-SUPPLY SECTION —



2-4. SCHEMATIC DIAGRAMS (2) – AMP AND POWER-SUPPLY SECTION –



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- FM : Signal path
  MIC signal
  : PLAYBACK signal path
  : RECORD signal path
  : PHONO signal path
  : CD/AUX signal path

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- Switch

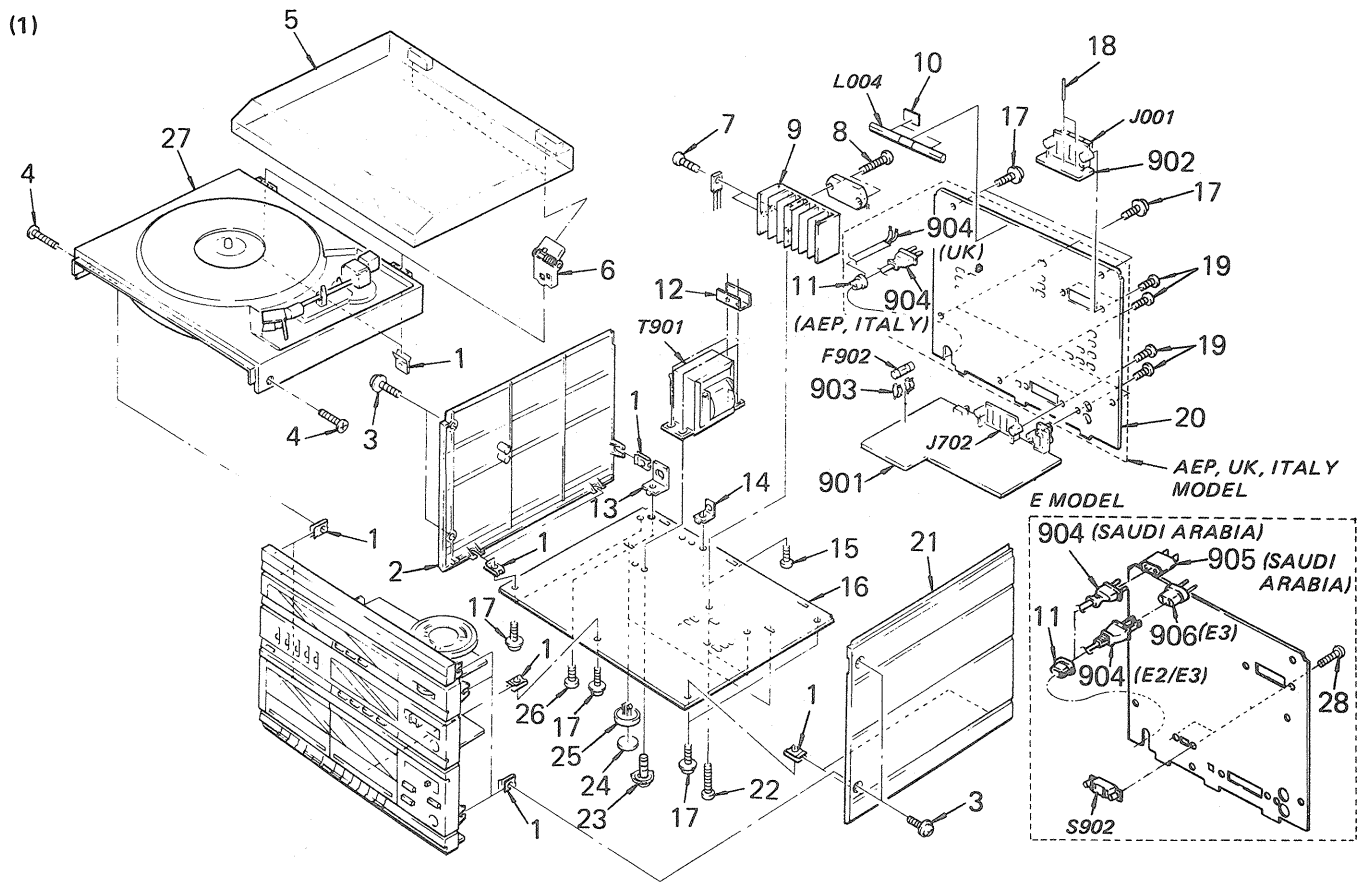
Ref. No.	Switch	Position
S304	LEAF	OFF
S351	A TAPE SELECT	TYPE I
S352	B TAPE SELECT	TYPE I
S353	DUBBING SPEED	NORMAL
S354	LEAF	OFF
S355	LEAF	OFF
S356	LEAF	OFF
S361-1—3	TAPE	OFF
S362-1,2	CD/AUX	OFF
S363-1,2	TUNER	OFF
S364-1,2	PHONO	OFF
S391	REC/PB	PB
S392	ISS	1
S901	POWER	OFF
S901	VOLTAGE CHANGE	110-120V / 220-240V

- : B+ bus.
- : B− bus.
- : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
  no mark : STOP < > : PLAY
  ( ) : REC ◀ ▶ : NORMAL SPEED
  (( )) : HIGH SPEED
- Voltage variations may be noted due to normal production tolerances.

SECTION 3
EXPLODED VIEWS AND PARTS LIST

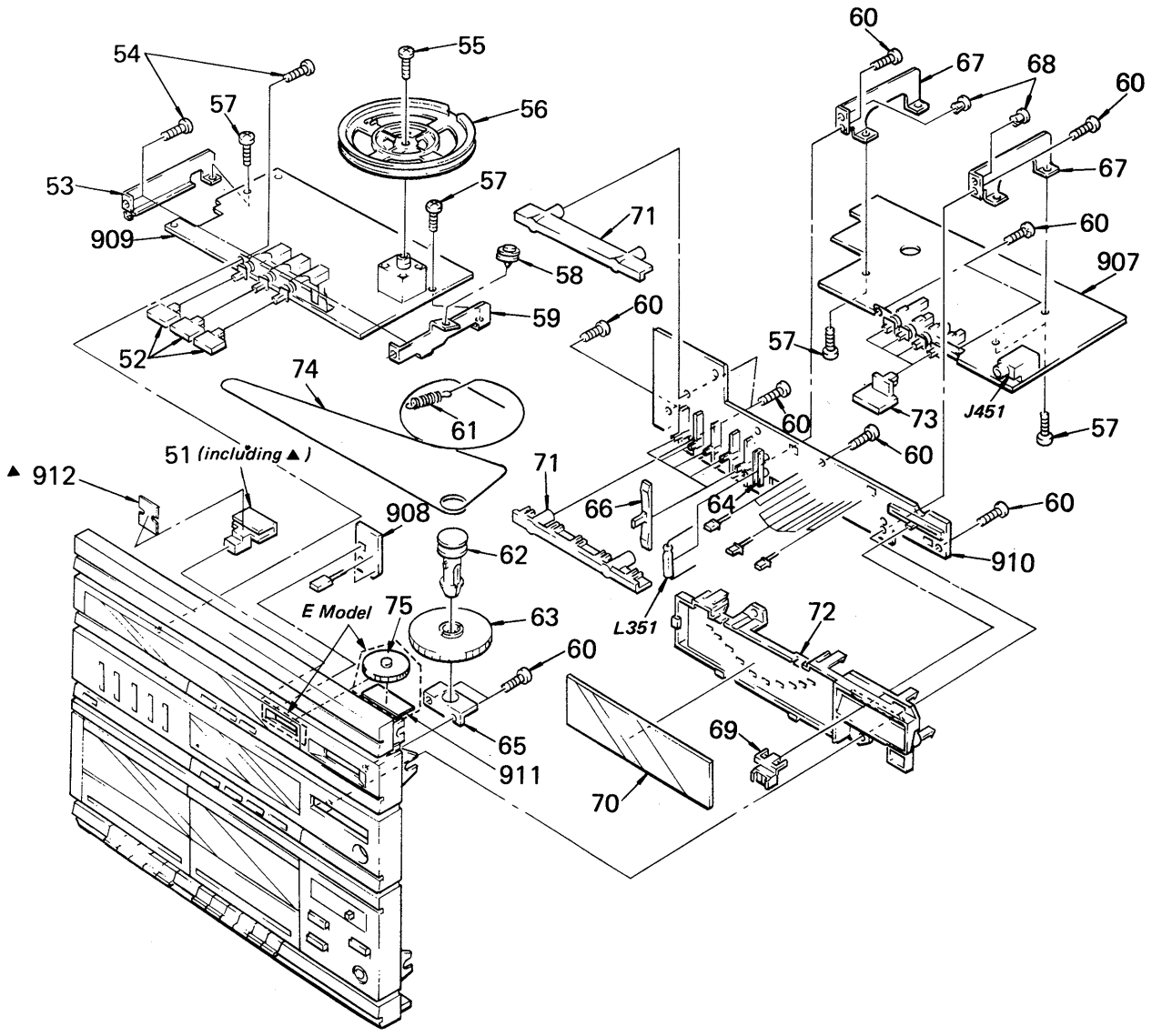
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color Indication of Appearance Parts
  Example: (RED) ..... KNOB, BALANCE (WHITE)
  (RED) = Cabinet's Color; (WHITE) = Parts' Color

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



No.	Part No.	Description	Remarks
1	4-896-036-01	ESCUTCHEON NUT	
2	4-896-014-01	SIDE CABINET (LEFT)	
3	4-896-089-01	3-CUP 4012 ZN3K	
4	4-896-088-01	3-FLT 4016 ZN3K	
5	*A-4470-023-A	COVER ASSY, DUST	
6	*4-896-038-01	SHS HINGE (C)	
7	4-896-083-01	2-BID 3008 ZN3A	
8	4-896-082-01	2-BID 3014 ZN3A	
9	*4-896-057-01	(AEP,UK,ITALY,G-AEP)...HEAT SINK	
	*4-896-141-01	(E).....HEAT SINK	
10	4-896-037-01	ANT BAR HOLDER	
11	*4-896-171-01	CORD STOPPER	
	*4-896-177-01	(E3).....CORD STOPPER	
12	*4-896-172-01	TRANS BRACKET	
13	4-896-056-01	AC CORD HOLDER	
14	*4-896-061-01	BACK BOARD BRACKET	
15	4-896-079-01	2-CUP 3010 ZN3A	
16	4-896-047-01	BOTTOM BOARD	
17	4-896-085-01	3-CUP 4014 ZN3K	
18	*4-896-098-01	TERMINAL PIN "K"	
19	4-896-086-01	7-BID 3010 ZN3K	
20	4-896-017-01	BACK BOARD	
21	4-896-013-01	SIDE CABINET (RIGHT)	
22	4-896-176-01	7 CUP 3016 ZN3A	
23	4-896-073-01	CABINET WASHER ASSY	
24	4-896-049-01	LEG HOLDER (B)	
25	4-896-048-01	LEG HOLDER (A)	
26	7-685-160-14	SCREW +PTP 4X10	
27	*4-896-015-01	PLAYER BASE	
28	7-685-160-64	(E)...SCREW +PTP 4X10 TYPE4	
901	*4-896-105-01	(AEP,UK,ITALY,G-AEP)...POWER AMP PCB	
	*4-896-138-01	(E).....POWER AMP PCB	
902	*4-896-097-01	(AEP,UK,ITALY,G-AEP)...ANT TERMINAL PCB	
	*4-896-134-01	(E).....ANT TERMINAL PCB	
903	1-533-183-11	HOLDER, FUSE	
904	⚠1-551-472-00	(E2/E3).....CORD, POWER	
	⚠1-551-908-21	(Saudi Arabia)...CORD, POWER, EULO PLUG	
	⚠1-555-001-00	(UK).....CORD, POWER	
	⚠1-558-944-11	(AEP,ITALY,G-AEP)...CORD, POWER	
905	⚠1-506-401-00	(Saudi Arabia)...ADAPTOR, AC PLUG	
906	⚠1-526-565-00	(E3)..... AC PLUG ADAPTOR	
F902	⚠1-532-285-00	FUSE, TIME-LAG	
J001	1-536-708-00	TERMINAL BOARD, PUSH 4P (ANTENNA)	
J702	1-536-705-00	TERMINAL BOARD (SP)	
L004	1-402-286-11	ANTENNA, FERITE-ROD (LW/MW)	
S902	⚠1-571-282-11	(E)....SWITCH, VOLTAGE CHANGE (110-120V/220-240V)	
T901	⚠1-448-962-11	(UK:XO-D1CD).....TRANSFORMER, POWER	
T901	⚠1-449-037-11	(E).....TRANSFORMER, POWER	
T901	⚠1-449-142-11	(AEP,ITALY,G-AEP)...TRANSFORMER, POWER	
T901	⚠1-449-143-11	(UK:XO-D1).....TRANSFORMER, POWER	

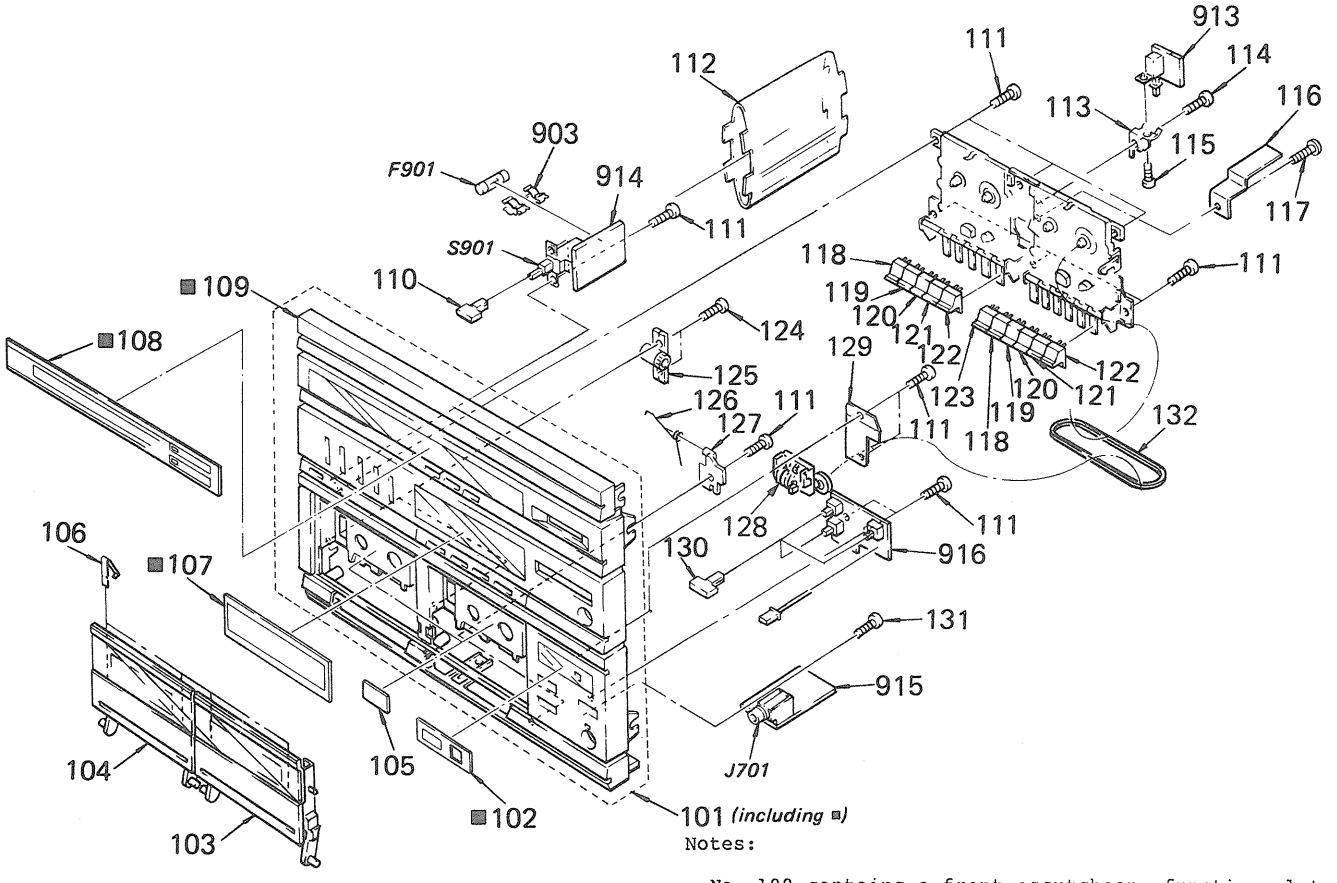
(2)



No.	Part No.	Description	Remarks
51	X-4896-004-1	POINTER ASSY	
52	4-896-022-01	POWER KNOB	
53	*4-896-054-01	TUNER BRACKET (LEFT)	
54	4-896-074-01	7-BID 3010 ZN3A	
55	4-896-075-01	1-BID 2606 ZN3A	
56	*4-896-044-01	DIAL DRUM	
57	4-896-080-01	4-BID 3008 ZN3A	
58	A-4322-966-A	PULLEY ASSY	
59	*4-896-053-01	TUNER, BRACKET (RIGHT)	
60	4-896-072-01	7-BID 3012 ZN3A	
61	4-896-046-01	DIAL SPRING	
62	*4-896-040-01	TUNING KNOB SHAFT	
63	4-896-023-01	TUNING KNOB	
64	*4-896-062-01	LAMP HOLDER	
65	*4-896-039-01	TUNING KNOB HOLDER	
66	4-896-020-01	EQ SLIDE KNOB	
67	*4-896-055-01	EQ PCB BRACKET (L)	
68	4-896-064-01	P-RIVET	

No.	Part No.	Description	Remarks
69	4-896-021-01	VOLUME KNOB	
70	*4-896-028-01	POWER ACRYIC WINDOW	
71	*4-896-052-01	EQ SW HOLDER	
72	*4-896-051-01	POWER LEVEL CHASSIS	
73	4-896-019-01	PUSH BUTTON	
74	*4-896-175-01	DIAL CORD	
75	4-896-118-01	(E)...TUNING FINE KNOB	
907	*A-4388-655-A	PC BOARD ASSY, MAIN	
908	*4-896-094-01	(AEP,UK,ITALY,G-AEP)...ST/TUNING LED PCB	
	*4-896-136-01	(E).....ST/TUNING LED PCB	
909	*4-896-091-01	(AEP,UK,ITALY,G-AEP)...TUNER PCB	
	*4-896-137-01	(E).....TUNER PCB	
910	*4-896-101-01	TONE PCB	
911	*4-896-178-01	(E)...FINE TUNING PCB	
912	*4-896-092-01	(AEP,UK,ITALY,G-AEP)...POINTER LED PCB	
	*4-896-135-01	(E).....POINTER RED PCB	
J451	1-507-694-00	JACK (MIC)	
L351	1-518-462-00	LAMP, PILOT (POWER RED WINDOW)	

(3)



Notes:

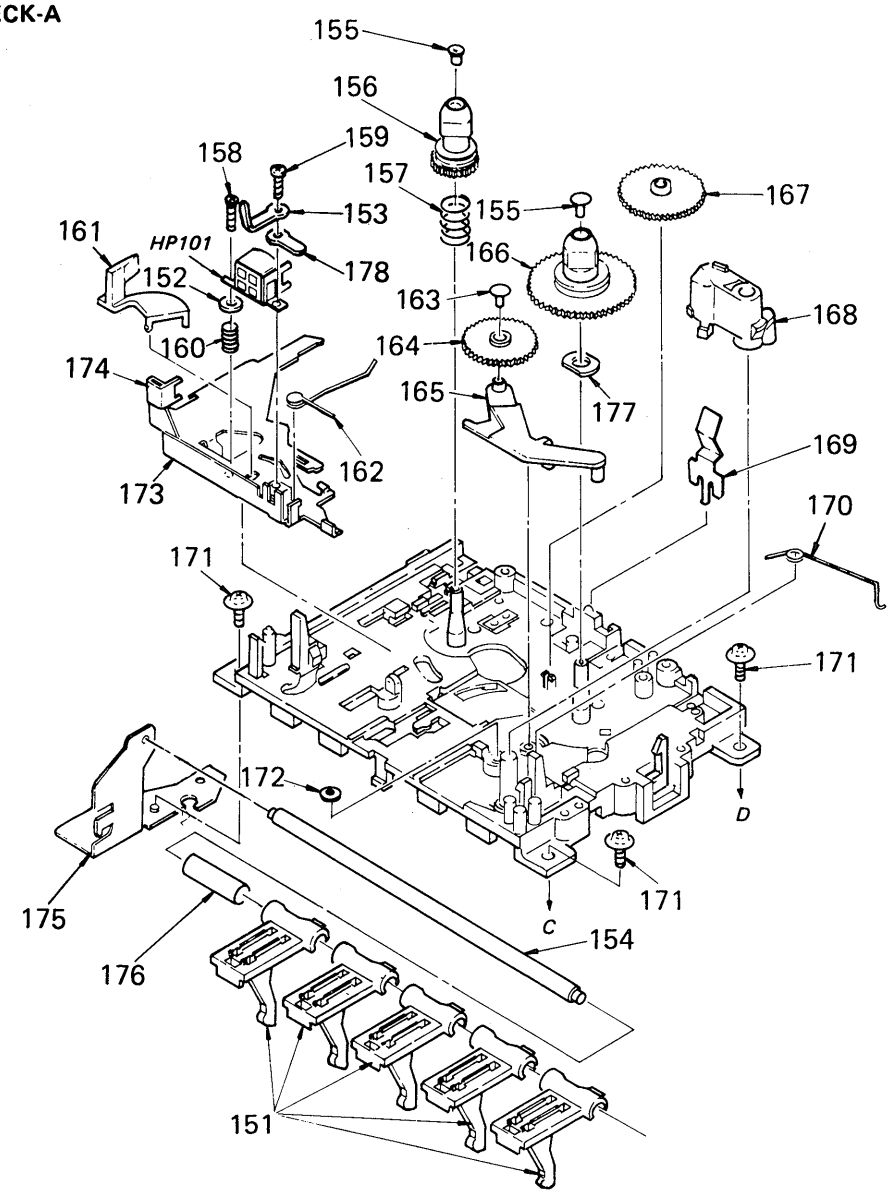
- No. 109 contains a front escutcheon, function plate (A), pulley holder, and front escutcheon holder.
- No. 101 does not contain a function plate (A), pulley holder, or front escutcheon holder.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
101	X-4896-001-1	PANEL ASSY	
102	*4-896-029-01	COUNTER PLATE	
103	X-4896-003-1	CASE ASSY (B), CASSETTE	
104	X-4896-002-1	CASE ASSY (A), CASSETTE	
105	*4-896-027-01	CASS MIRROR	
106	4-896-030-01	CASS TAPE SPRING	
107	*A-4322-936-A	WINDOW ASSY, POWER LED	
108	*A-4322-935-A	(AEP,UK,ITALY,G-AEP) ...WINDOW ASSY, DIAL SCALE	
	A-4322-941-A	(E).....WINDOW ASSY, DIAL SCALE	
109	*A-4322-934-A	ESCUTCHEON ASSY, FRONT	
110	4-896-022-01	POWER KNOB	
111	4-896-074-01	7-BID 3010 ZN3A	
112	*4-896-059-01	SW COVER (P.V.C)	
113	4-896-035-01	REC LEVER	
114	4-896-076-01	7-BID 2610 ZN3A	
115	4-896-075-01	1-BID 2606 ZN3A	
116	4-896-034-01	REC LEVER SPRING	
117	4-896-077-01	6-PAN 2003 ZN3A	
118	4-896-008-01	CASS BUTTON (PLAY)	
119	4-896-009-01	CASS BUTTON (REW)	
120	4-896-010-01	CASS BUTTON (FF)	

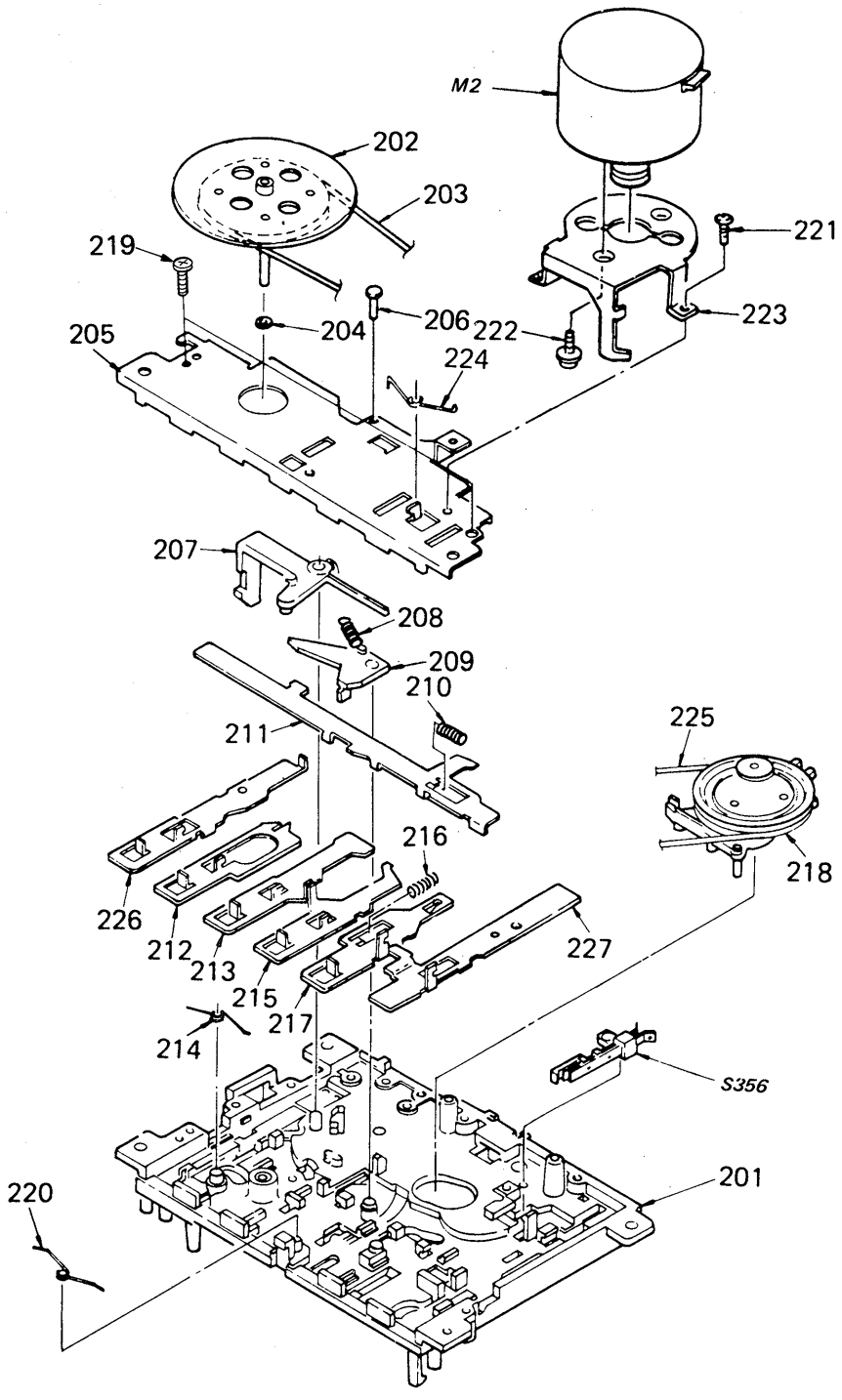
No.	Part No.	Description	Remarks
121	4-896-011-01	CASS BUTTON (ST/EJECT)	
122	4-896-012-01	CASS BUTTON (PAUSE)	
123	4-896-007-01	CASS BUTTON (REC)	
124	4-896-072-01	7-BID 3012 ZN3A	
125	4-896-033-01	GEAR DAMPER	
126	4-896-032-01	CASS UP SPRING	
127	*4-896-031-01	DOOR HOLDER	
128	4-896-041-01	COUNTER	
129	*4-896-043-01	COUNTER BRACKET	
130	4-896-018-01	TAPE SELECT KNOB	
131	4-896-087-01	7-BID 3010 WF16 ZN3A	
132	4-896-042-01	COUNTER BELT	
903	1-533-183-11	HOLDER, FUSE	
913	*4-896-102-01	REC SW PCB	
914	*4-896-107-01	POWER SW PCB	
915	*4-896-108-01	HEADPHONE JACK PCB	
916	*4-896-103-01	TAPE SELECT PCB	
F901	⚠1-532-285-00	(AEP,UK,ITALY,G-AEP)...FUSE, TIME-LAG	
F901	⚠1-532-388-31	(E).....FUSE, TIME-LAG	
J701	1-507-683-00	JACK, LARGE-TYPE (HEADPHONES)	
S901	⚠1-554-471-00	SWITCH, PUSH (AC POWER)	

(4) DECK-A



No.	Part No.	Description	Remarks
151	4-896-050-01	CASS LEVER BASE (B)	
152	3-390-823-01	WASHER, F	
153	3-390-817-01	LUG	
154	4-896-161-01	SHAFT (W), BUTTON	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-896-152-01	TABLE,TAKE-UP REEL	
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	
171	3-682-147-11	SCREW (BVTT WH 2.6X6)	
172	4-894-969-01	N WASHER	
173	4-895-015-01	HEAD BASE	
174	4-895-016-01	TAPE GUIDE	
175	4-896-163-01	HOLDER (LEFT), BUTTON	
176	4-895-018-01	SPACER	
177	3-390-820-01	SPRING, LEAF	
178	3-390-819-01	LUG	
HP101	1-543-424-11	HEAD, MAGNETIC (PB)	

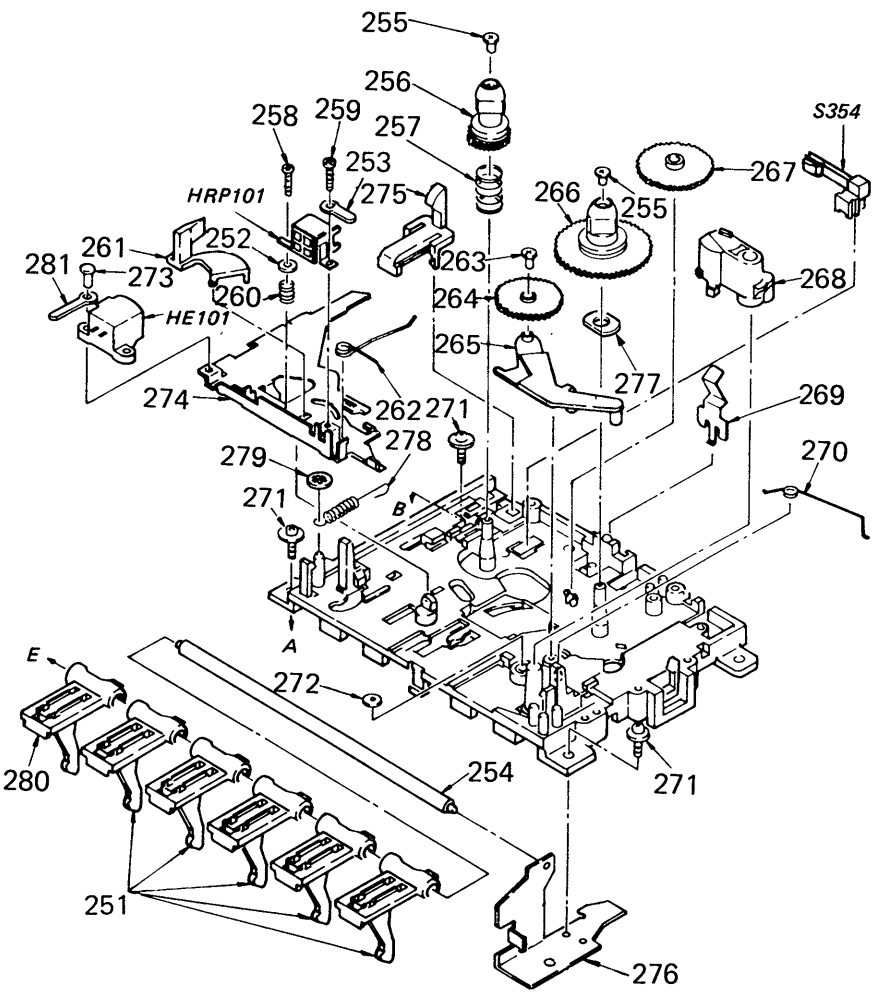
(5) DECK-A



No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
206	3-390-822-01	BUSHING (C)	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	

No.	Part No.	Description	Remarks
216	4-894-992-01	C SPRING	
217	4-895-013-01	PLAY LEVER	
218	4-894-997-01	POWER ARM ASSY	
219	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT	
220	4-894-999-01	SPRING	
221	7-685-781-04	SCREW +PTT 2X4 (S)	
222	7-628-253-90	SCREW +PS 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	
224	3-390-808-01	SPRING	
225	3-390-816-01	BELT, SQUARE	
226	4-895-011-01	PAUSE LEVER W	
227	4-895-012-01	SW LEVER	
M2	X-3390-801-1	MOTOR ASSY (A DECK)	
S356	1-570-715-11	SWITCH, LEAF (A DECK MOTOR)	

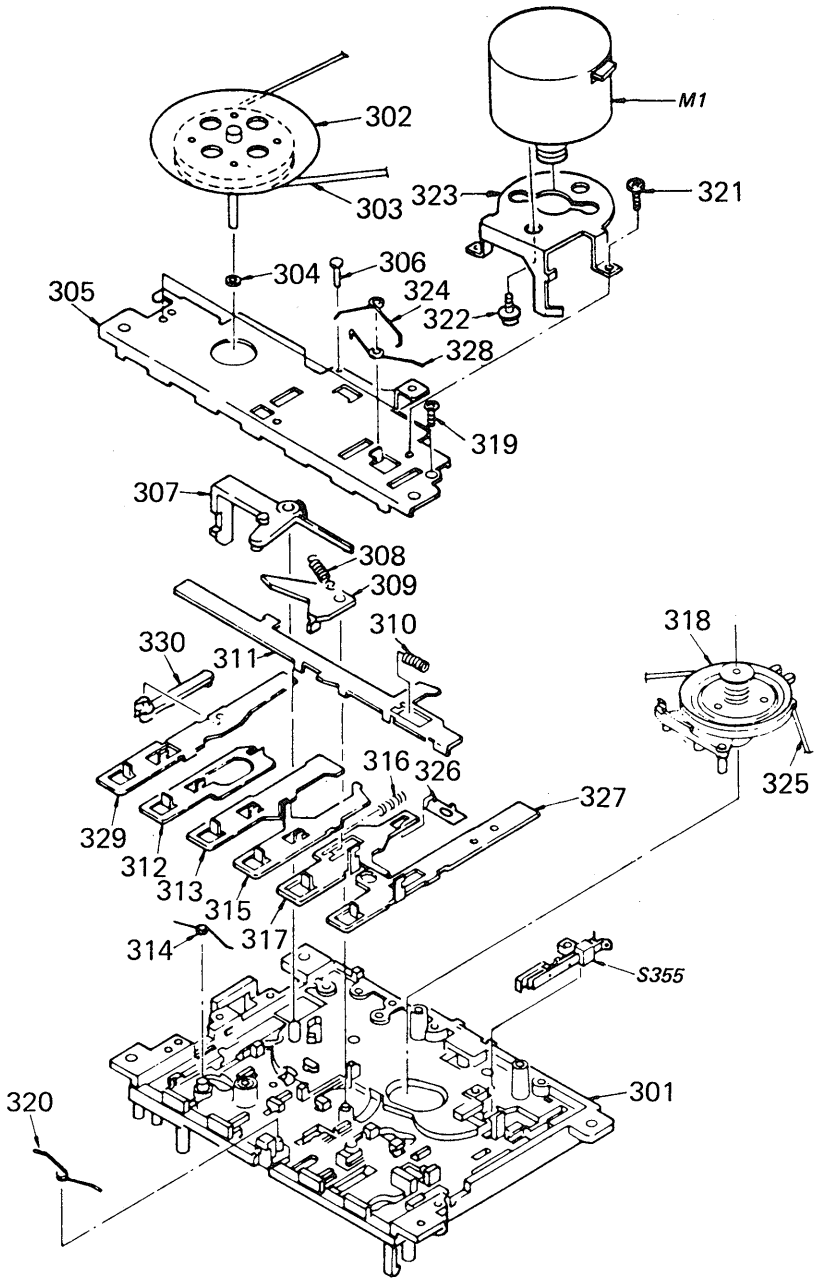
(6) DECK-B



No.	Part No.	Description	Remarks
251	4-896-050-01	CASS LEVER BASE (B)	
252	3-390-823-01	WASHER, F	
253	3-390-817-01	LUG	
254	4-896-161-01	SHAFT (W), BUTTON	
255	3-390-803-01	BUSHING (D)	
256	4-894-953-01	S REEL	
257	4-894-954-01	C SPRING	
258	7-621-905-65	SCREW, TOTSU P 2X8	
259	7-621-255-15	SCREW +P 2X3	
260	4-894-955-01	C SPRING	
261	4-894-956-01	TAPE SENSOR	
262	3-390-804-01	SPRING, PINCH ARM	
263	4-894-960-01	BUSH	
264	4-894-961-01	IDLER GEAR	
265	4-894-962-01	IDLER ARM	
266	4-896-963-01	T REEL ASSY	
267	4-894-964-01	F GEAR	

No.	Part No.	Description	Remarks
268	3-390-805-01	ROLLER ASSY, PINCH	
269	4-894-966-01	SPRING	
270	4-894-967-01	SPRING	
271	3-682-147-11	SCREW (BVTT WH 2.6X6)	
272	4-894-969-01	N WASHER	
273	7-621-771-06	SCREW +B 2X5	
274	4-894-957-01	HEAD BASE B	
275	4-894-958-01	INTERLOCK ARM	
276	4-896-162-01	HOLDER (RIGHT), BUTTON	
277	3-390-820-01	SPRING, LEAF	
278	3-390-813-01	SPRING, T.	
279	7-624-190-11	STOP RING 3, TYPE-CS	
280	4-896-060-01	CASS LEVER BASE (A)	
281	3-390-812-01	LUG	
HE101	1-543-261-11	HEAD, ERASE (886-01-24)	
HRP101	1-543-424-11	HEAD, MAGNETIC (REC/PB)	
S354	1-570-716-11	SWITCH, LEAF (B DECK FWD)	

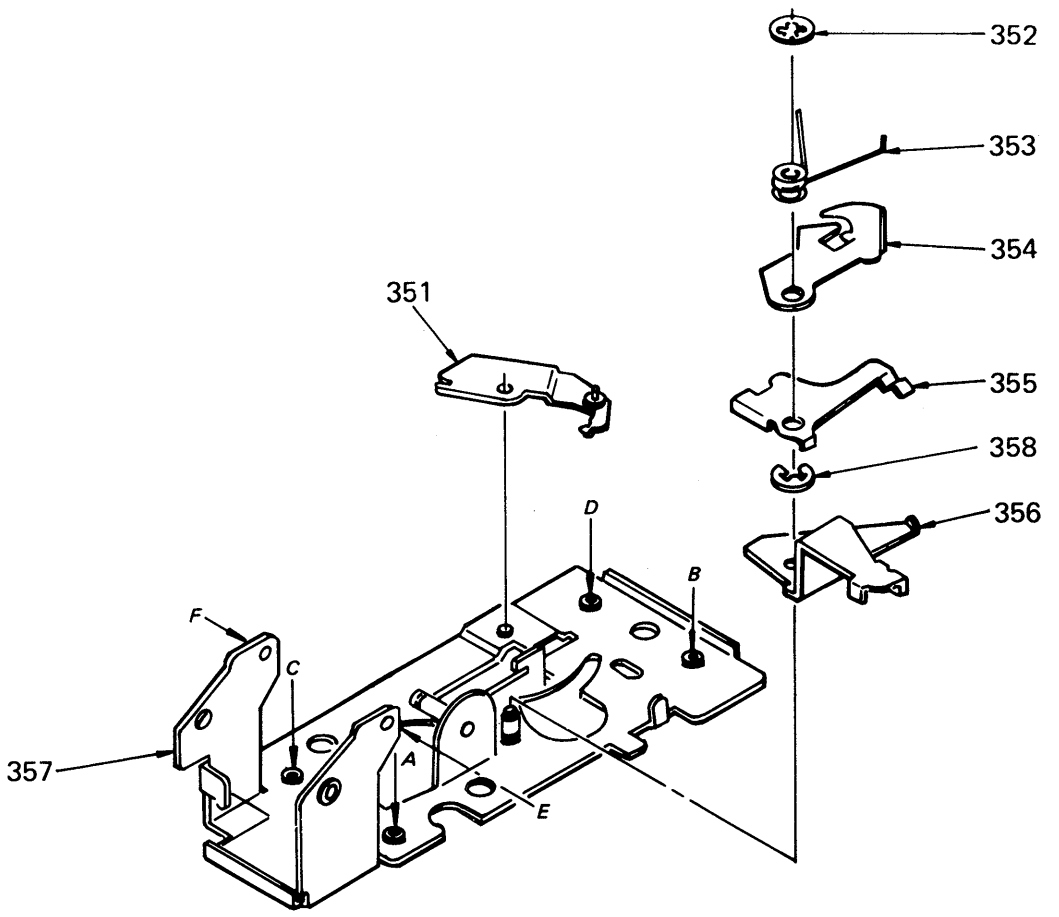
(7) DECK-B



No.	Part No.	Description	Remarks
301	4-894-968-01	CHASSIS ASSY	
302	3-390-806-01	FW ASSY	
303	3-390-807-01	BELT	
304	4-894-976-01	P WASHER	
305	*4-894-977-01	BACK PLATE	
306	3-390-822-01	BUSHING (C)	
307	*4-894-980-01	EJECT ARM	
308	3-390-809-01	SPRING	
309	4-894-982-01	S ARM	
310	4-894-983-01	C SPRING	
311	4-894-984-01	FUNCTION LEVER	
312	4-894-987-01	S.E LEVER	
313	*4-894-988-01	FF LEVER W	
314	4-894-989-01	SPRING	
315	*4-894-990-01	REW LEVER	
316	3-390-827-01	SPRING	

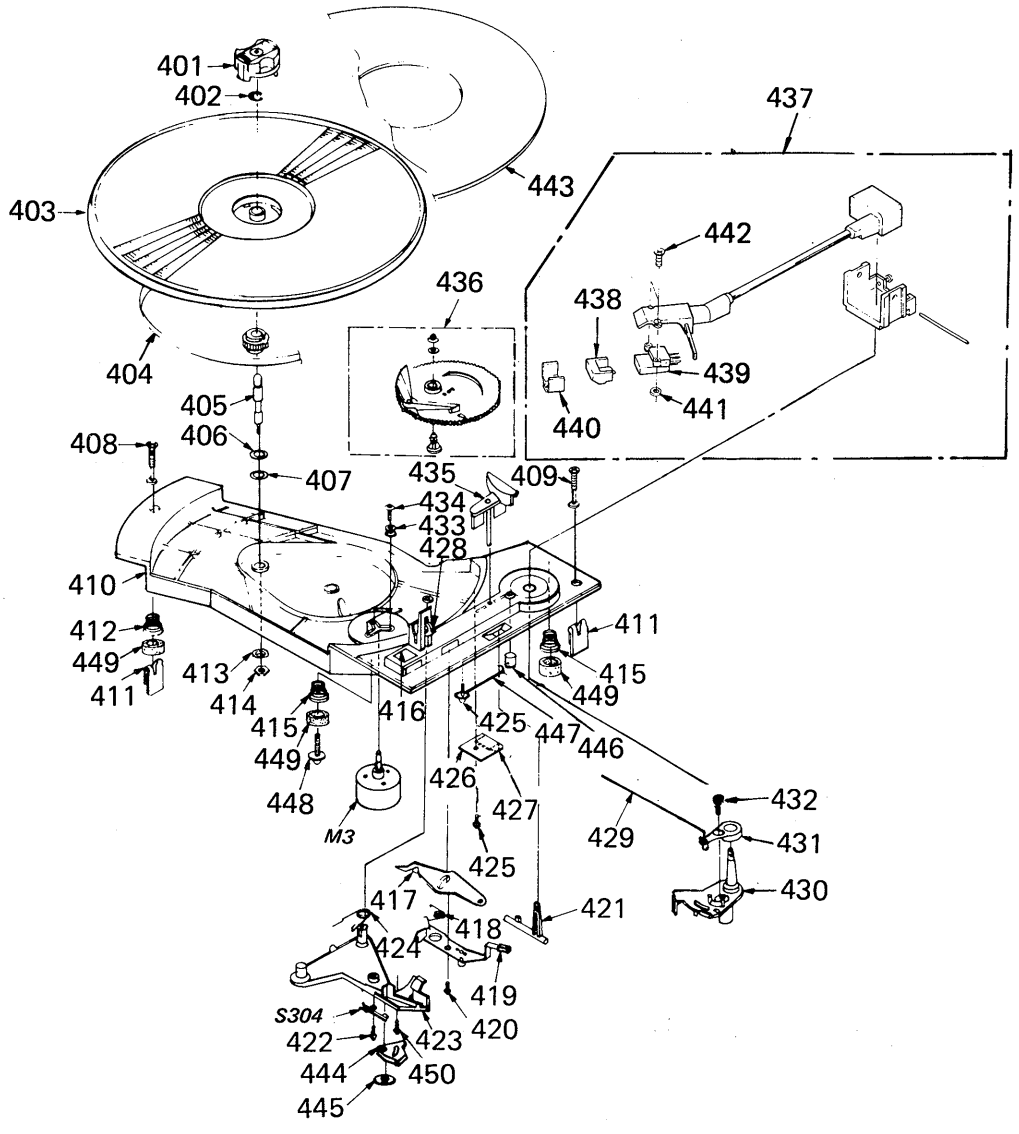
No.	Part No.	Description	Remarks
317	3-390-810-01	LEVER, PLAY	
318	4-894-997-01	POWER ARM ASSY	
319	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT	
320	4-894-999-01	SPRING	
321	7-685-781-04	SCREW +PTT 2X4 (S)	
322	7-628-253-90	SCREW +PS 2.6X4	
323	*3-390-814-01	BRACKET, MOTOR	
324	3-390-818-01	SPRING	
325	3-390-816-01	BELT, SQUARE	
326	3-390-811-01	LEVER, REC STOP	
327	*4-894-994-01	REC LEVER	
328	4-896-155-01	SPRING	
329	4-894-986-01	PAUSE LEVER	
330	4-894-985-01	PAUSE ARM	
M1	X-3390-801-1	MOTOR ASSY (B DECK)	
S355	1-570-715-11	SWITCH, LEAF (B DECK MOTOR)	

(8)



No.	Part No.	Description	Remarks
351	4-895-002-01	P CONNECT LEVER ASSY	
352	7-624-190-11	STOP RING 3, TYPE-CS	
353	4-895-003-01	SPRING	
354	4-895-004-01	LOCK PLATE	
355	4-895-005-01	UNLOCK PLATE	
356	4-895-006-01	CONNECT LEVER	
357	4-896-151-01	CONNECT PLATE C ASSY	
358	7-624-106-04	STOP RING 3.0, TYPE -E	

(9)



No.	Part No.	Description	Remarks
401	4-895-521-01	ADAPOER (B), 45	
402	4-895-020-01	E RING DIA.6	
403	X-4895-501-1	TURNTABLE ASSY	
404	4-895-022-01	BELT	
405	4-895-524-01	SPINDLE, CENTER	
406	4-895-024-01	POLY WASHER	
407	4-895-025-01	FLAT WASHER	
408	*4-895-525-01	SCREW (1), TRANSPORT	
409	*4-895-526-01	SCREW (2), TRANSPORT	
410	*4-895-028-01	BASE	
411	*4-895-029-01	RETAINING PLATE	
412	*4-895-030-01	SPRING (B)	
413	4-895-031-01	W GEAR	
414	4-895-032-01	NUT	
415	*4-895-033-01	SPRING (A)	
416	4-895-552-01	LID, FUNCTION	
417	4-895-035-01	SPEED SHIFT CAM 45	
418	4-895-036-01	SPRING	
419	4-895-037-01	SPEED SHIFT CAM 33	
420	4-895-038-01	7-CUP 3008	
421	4-895-039-01	CUE LEVER	
422	4-895-040-01	7-BID 2006	
423	*4-895-527-01	ARM, CONTROL	
424	4-895-042-01	ARM, CONTROL	
425	4-895-044-01	7-BID 3008	
426	*4-895-528-01	PLATE, MOTOR	
427	*4-895-529-01	BASE, SIDE	
428	4-895-046-01	P.U. TUBE HOOK	
429	*4-895-530-01	ROD	
430	*4-895-531-01	CAM	
431	4-895-532-01	CLUTCH	
432	4-895-533-01	SPRING	
433	4-895-049-01	GROMMET (A)	
434	4-895-050-01	SCREW	
435	*4-895-534-01	PLATE, LIFTER	
436	X-4895-502-1	GEAR ASSY, CAM	
437	X-4896-005-1	ARM ASSY, PICKUP	
438	4-896-147-01	STYLUS	
439	4-896-146-01	CARTRIDGE	
440	*4-896-148-01	COVER, CARTRIDGE	
441	4-896-145-01	NUT (26ZN3K)	
442	4-896-149-01	2BID2608ZN3K	
443	4-896-016-01	TURNTABLE MAT	
444	*4-895-550-01	CAM	
445	4-303-605-00	PUSH NUT DIA.3	
446	*4-895-058-01	VISCOUS SHAFT	
447	*4-895-059-01	VISCOUS WIRE	
448	4-895-551-01	SCREW	
449	4-895-064-01	SPONGE	
450	7-685-649-79	SCREW (7-BID 3016 Z	
M3	4-895-034-01	MOTOR ASSY (PLAYER)	
S304	4-895-068-01	LIEF, SW (PLAYER MO	

N3A)

TOR)

SECTION 4
ELECTRICAL PARTS LIST

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*4-896-105-01	(AEP,UK,ITALY,G-AEP)...POWER AMP PCB
	*4-896-138-01	(E).....POWER AMP PCB
902	*4-896-097-01	(AEP,UK,ITALY,G-AEP)...ANT TERMINAL PCB
	*4-896-134-01	(E).....ANT TERMINAL PCB
903	1-533-183-11	HOLDER, FUSE
904	⚠1-551-472-00	(E2/E3).....CORD, POWER
	⚠1-551-908-21	(Saudi Arabia)...CORD, POWER, EULO PLUG
	⚠1-555-001-00	(UK).....CORD, POWER
	⚠1-558-944-11	(AEP,ITALY,G-AEP)...CORD, POWER
905	⚠1-506-401-00	(Saudi Arabia)...ADAPTOR, AC PLUG
906	⚠1-526-565-00	(E3)...AC PLUG ADAPTOR
907	*A-4388-655-A	PC BOARD ASSY, MAIN
908	*4-896-094-01	(AEP,UK,ITALY,G-AEP)..ST/TUNING LED PCB
	*4-896-136-01	(E).....ST/TUNING LED PCB
909	*4-896-091-01	(AEP,UK,ITALY,G-AEP)...TUNER PCB
	*4-896-137-01	(E).....TUNER PCB
910	*4-896-101-01	TONE PCB
911	*4-896-178-01	(E)...FINE TUNING PCB
912	*4-896-092-01	(AEP,UK,ITALY,G-AEP)...POINTER LED PCB
	*4-896-135-01	(E).....POINTER RED PCB
913	*4-896-102-01	REC SW PCB
914	*4-896-107-01	POWER SW PCB
915	*4-896-108-01	HEADPHONE JACK PCB
916	*4-896-103-01	TAPE SELECT PCB
BA801	⚠1-532-567-11	(E)...CIRCUIT BRAKER
BA701	⚠1-532-567-11	(E)...CIRCUIT BRAKER
C001	1-102-074-00	CERAMIC 0.001MF 10% 50V
C002	1-102-074-00	CERAMIC 0.001MF 10% 50V
C003	1-102-959-00	CERAMIC 22PF 5% 50V
C004	1-102-074-00	CERAMIC 0.001MF 10% 50V
C005	1-101-005-00	CERAMIC 0.022MF 50V
C007	1-102-503-51	CERAMIC 3PF 50V
C008	1-102-517-00	(UK,E)....CERAMIC 30PF 5% 50V
C008	1-102-958-00	(AEP,ITALY,G-AEP)...CERAMIC 20PF 5% 50V
C009	1-102-513-00	CERAMIC 18PF 5% 50V
C010	1-101-005-00	CERAMIC 0.022MF 50V
C011	1-101-005-00	(UK,E)....CERAMIC 0.022MF 50V
C011	1-102-973-00	(AEP,ITALY,G-AEP)..CERAMIC 100PF 5% 50V
C012	1-123-379-00	ELECT 0.47MF 20% 50V
C013	1-102-978-00	CERAMIC 220PF 5% 50V
C014	1-102-978-00	(E).....CERAMIC 220PF 5% 50V
C015	1-101-880-00	(E)...CERAMIC 47PF 5% 50V
C016	1-101-880-00	(AEP,UK,ITALY,G-AEP) ...CERAMIC 47PF 5% 50V
C016	1-102-960-00	(E).....CERAMIC 24PF 5% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C017	1-102-963-00	(E)....CERAMIC 33PF 5% 50V
C018	1-103-741-00	(E)....POLYSTYRENE 0.0047MF 5% 50V
C019	1-102-963-00	(E)....CERAMIC 33PF 5% 50V
C020	1-104-228-00	(E)....POLYSTYRENE 0.0015MF 5% 50V
C020	1-104-280-11	(AEP,UK,ITALY,G-AEP) ...POLYSTYRENE 120PF 5% 50V
C021	1-101-888-00	(AEP,UK,ITALY,G-AEP) ..CERAMIC 68PF 5% 50V
C021	1-102-945-00	(E)....CERAMIC 8PF 5% 50V
C022	1-104-066-00	(AEP,UK,ITALY,G-AEP) ...POLYSTYRENE 360PF 5% 50V
C022	1-104-290-11	(E)....POLYSTYRENE 330PF 5% 50V
C023	1-102-947-00	CERAMIC 10PF 0.5PF 50V
C024	1-101-006-00	CERAMIC 0.047MF 50V
C025	1-102-824-00	(AEP,UK,ITALY,G-AEP)..... CERAMIC 470PF 5% 50V
C102	1-101-005-00	CERAMIC 0.022MF 50V
C103	1-101-005-00	CERAMIC 0.022MF 50V
C104	1-101-005-00	CERAMIC 0.022MF 50V
C105	1-101-005-00	CERAMIC 0.022MF 50V
C106	1-123-333-00	ELECT 100MF 20% 16V
C107	1-101-005-00	CERAMIC 0.022MF 50V
C108	1-101-005-00	CERAMIC 0.022MF 50V
C109	1-102-824-00	CERAMIC 470PF 5% 50V
C110	1-123-380-00	ELECT 1MF 20% 50V
C111	1-101-005-00	CERAMIC 0.022MF 50V
C112	1-123-356-00	ELECT 10MF 20% 25V
C113	1-123-333-00	(E).....ELECT 100MF 20% 16V
C113	1-123-356-00	(AEP,UK,ITALY,G-AEP) ....ELECT 10MF 20% 25V
C114	1-123-380-00	ELECT 1MF 20% 50V
C115	1-101-005-00	CERAMIC 0.022MF 50V
C116	1-108-585-00	(AEP,UK,ITALY,G-AEP) ...MYLAR 0.018MF 5% 50V
C116	1-130-485-00	(E).....MYLAR 0.015MF 5% 50V
C117	1-108-599-00	(AEP,UK,ITALY,G-AEP) ...MYLAR 0.068MF 5% 50V
C117	1-123-380-00	(E).....ELECT 1MF 20% 50V
C118	1-123-330-00	ELECT 22MF 20% 16V
C120	1-101-880-00	CERAMIC 47PF 5% 50V
C121	1-101-005-00	(E)....CERAMIC 0.022MF 50V
C201	1-123-380-00	ELECT 1MF 20% 50V
C202	1-102-978-00	CERAMIC 220PF 5% 50V
C203	1-123-333-00	ELECT 100MF 20% 16V
C204	1-102-116-00	CERAMIC 680PF 10% 50V
C205	1-104-077-00	POLYSTYRENE 0.001MF 5% 50V
C206	1-108-595-00	MYLAR 0.047MF 5% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C207	1-123-379-00	ELECT	0.47MF	20%	50V
C208	1-123-379-00	ELECT	0.47MF	20%	50V
C209	1-123-380-00	ELECT	1MF	20%	50V
C210	1-123-380-00	ELECT	1MF	20%	50V
C211	1-123-369-00	ELECT	4.7MF	20%	50V
C212	1-123-369-00	ELECT	4.7MF	20%	50V
C213	1-106-343-00	(AEP,UK,ITALY,G-AEP)			
		...MYLAR	0.001MF	5%	50V
C213	1-108-557-51	(E)....MYLAR	0.0012MF	5%	50V
C214	1-106-343-00	(AEP,UK,ITALY,G-AEP)			
		...MYLAR	0.001MF	5%	50V
C214	1-108-557-51	(E)....MYLAR	0.0012MF	5%	50V
C215	1-123-381-00	ELECT	2.2MF	20%	50V
C216	1-101-005-00	CERAMIC	0.022MF		50V
C217	1-123-356-00	ELECT	10MF	20%	25V
C218	1-101-006-00	(E)....CERAMIC	0.047MF		50V
C301	1-106-343-00	MYLAR	0.001MF	5%	50V
C302	1-123-380-00	ELECT	1MF	20%	50V
C303	1-102-978-00	CERAMIC	220PF	5%	50V
C304	1-102-820-00	CERAMIC	330PF	5%	50V
C305	1-102-973-00	CERAMIC	100PF	5%	50V
C306	1-102-973-00	CERAMIC	100PF	5%	50V
C307	1-108-579-00	MYLAR	0.01MF	5%	50V
C308	1-108-579-00	MYLAR	0.01MF	5%	50V
C309	1-106-343-00	MYLAR	0.001MF	5%	50V
C310	1-123-380-00	ELECT	1MF	20%	50V
C311	1-123-332-00	ELECT	47MF	20%	16V
C321	1-123-380-00	ELECT	1MF	20%	50V
C322	1-106-343-00	MYLAR	0.001MF	5%	50V
C323	1-102-973-00	CERAMIC	100PF	5%	50V
C324	1-102-973-00	CERAMIC	100PF	5%	50V
C325	1-123-332-00	ELECT	47MF	20%	16V
C326	1-106-359-00	MYLAR	0.0047MF	5%	50V
C327	1-106-359-00	MYLAR	0.0047MF	5%	50V
C328	1-123-380-00	ELECT	1MF	20%	50V
C329	1-102-824-00	CERAMIC	470PF	5%	50V
C330	1-123-380-00	ELECT	1MF	20%	50V
C331	1-106-343-00	MYLAR	0.001MF	5%	50V
C332	1-102-074-00	CERAMIC	0.001MF	10%	50V
C333	1-106-359-00	MYLAR	0.0047MF	5%	50V
C334	1-108-583-00	MYLAR	0.015MF	5%	50V
C335	1-106-359-00	MYLAR	0.0047MF	5%	50V
C336	1-108-583-00	MYLAR	0.015MF	5%	50V
C337	1-106-351-00	MYLAR	0.0022MF	5%	50V
C351	1-123-333-00	ELECT	100MF	20%	16V
C352	1-123-333-00	ELECT	100MF	20%	16V
C353	1-123-330-00	ELECT	22MF	20%	16V
C354	1-130-487-00	MYLAR	0.022MF	5%	50V
C355	1-123-333-00	ELECT	100MF	20%	16V
C356	1-123-333-00	ELECT	100MF	20%	16V
C357	1-123-332-00	ELECT	47MF	20%	16V
C358	1-123-356-00	ELECT	10MF	20%	25V
C359	1-130-487-00	MYLAR	0.022MF	5%	50V
C360	1-130-487-00	MYLAR	0.022MF	5%	50V
C361	1-124-141-00	ELECT	330MF	20%	10V
C362	1-123-333-00	ELECT	100MF	20%	16V
C363	1-123-333-00	ELECT	100MF	20%	16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C364	1-123-333-00	ELECT	100MF	20%	16V
C365	1-123-356-00	ELECT	10MF	20%	25V
C391	1-123-380-00	ELECT	1MF	20%	50V
C392	1-106-373-00	MYLAR	0.018MF	10%	200V
C393	1-106-373-00	MYLAR	0.018MF	10%	200V
C394	1-129-710-21	MYLAR	0.012MF	10%	100V
C395	1-106-359-00	MYLAR	0.0047MF	5%	50V
C396	1-108-581-00	MYLAR	0.012MF	5%	50V
C397	1-123-356-00	ELECT	10MF	20%	25V
C401	1-106-343-00	MYLAR	0.001MF	5%	50V
C402	1-123-380-00	ELECT	1MF	20%	50V
C403	1-102-978-00	CERAMIC	220PF	5%	50V
C404	1-102-820-00	CERAMIC	330PF	5%	50V
C405	1-102-973-00	CERAMIC	100PF	5%	50V
C406	1-102-973-00	CERAMIC	100PF	5%	50V
C407	1-108-579-00	MYLAR	0.01MF	5%	50V
C408	1-108-579-00	MYLAR	0.01MF	5%	50V
C409	1-106-343-00	MYLAR	0.001MF	5%	50V
C410	1-123-380-00	ELECT	1MF	20%	50V
C411	1-123-332-00	ELECT	47MF	20%	16V
C421	1-123-380-00	ELECT	1MF	20%	50V
C422	1-106-343-00	MYLAR	0.001MF	5%	50V
C423	1-102-973-00	CERAMIC	100PF	5%	50V
C424	1-102-973-00	CERAMIC	100PF	5%	50V
C425	1-123-332-00	ELECT	47MF	20%	16V
C426	1-106-359-00	MYLAR	0.0047MF	5%	50V
C427	1-106-359-00	MYLAR	0.0047MF	5%	50V
C428	1-123-380-00	ELECT	1MF	20%	50V
C429	1-102-824-00	CERAMIC	470PF	5%	50V
C430	1-123-380-00	ELECT	1MF	20%	50V
C431	1-106-343-00	MYLAR	0.001MF	5%	50V
C432	1-102-074-00	CERAMIC	0.001MF	10%	50V
C433	1-106-359-00	MYLAR	0.0047MF	5%	50V
C434	1-108-583-00	MYLAR	0.015MF	5%	50V
C435	1-106-359-00	MYLAR	0.0047MF	5%	50V
C436	1-108-583-00	MYLAR	0.015MF	5%	50V
C437	1-106-351-00	MYLAR	0.0022MF	5%	50V
C451	1-123-380-00	ELECT	1MF	20%	50V
C452	1-102-824-00	CERAMIC	470PF	5%	50V
C453	1-123-332-00	ELECT	47MF	20%	16V
C454	1-123-333-00	ELECT	100MF	20%	16V
C455	1-123-332-00	ELECT	47MF	20%	16V
C456	1-102-973-00	CERAMIC	100PF	5%	50V
C457	1-123-356-00	ELECT	10MF	20%	25V
C458	1-123-356-00	ELECT	10MF	20%	25V
C459	1-123-380-00	ELECT	1MF	20%	50V
C460	1-123-380-00	ELECT	1MF	20%	50V
C501	1-123-380-00	ELECT	1MF	20%	50V
C502	1-102-824-00	CERAMIC	470PF	5%	50V
C503	1-123-380-00	ELECT	1MF	20%	50V
C504	1-123-380-00	ELECT	1MF	20%	50V
C521	1-123-380-00	ELECT	1MF	20%	50V
C522	1-123-380-00	ELECT	1MF	20%	50V
C523	1-108-589-00	MYLAR	0.027MF	5%	50V
C524	1-130-499-00	MYLAR	0.22MF	5%	50V
C525	1-108-579-00	MYLAR	0.01MF	5%	50V
C526	1-108-599-00	MYLAR	0.068MF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C527	1-106-359-00	MYLAR	0.0047MF	5%	50V
C528	1-130-487-00	MYLAR	0.022MF	5%	50V
C529	1-106-343-00	MYLAR	0.001MF	5%	50V
C530	1-106-363-00	MYLAR	0.0068MF	5%	50V
C531	1-102-820-51	CERAMIC	330PF	10%	50V
C532	1-123-330-00	ELECT	22MF	20%	16V
C533	1-102-074-00	CERAMIC	0.001MF	10%	50V
C534	1-123-380-00	ELECT	1MF	20%	50V
C535	1-102-074-00	CERAMIC	0.001MF	10%	50V
C551	1-123-380-00	ELECT	1MF	20%	50V
C552	1-102-824-00	CERAMIC	470PF	5%	50V
C553	1-123-330-00	ELECT	22MF	20%	16V
C554	1-108-589-00	MYLAR	0.027MF	5%	50V
C555	1-108-577-51	MYLAR	0.0082MF	5%	50V
C556	1-123-380-00	ELECT	1MF	20%	50V
C571	1-101-005-00	CERAMIC	0.022MF		50V
C572	1-123-380-00	ELECT	1MF	20%	50V
C601	1-123-380-00	ELECT	1MF	20%	50V
C602	1-102-824-00	CERAMIC	470PF	5%	50V
C603	1-123-380-00	ELECT	1MF	20%	50V
C604	1-123-380-00	ELECT	1MF	20%	50V
C621	1-123-380-00	ELECT	1MF	20%	50V
C622	1-123-380-00	ELECT	1MF	20%	50V
C623	1-108-589-00	MYLAR	0.027MF	5%	50V
C624	1-130-499-00	MYLAR	0.22MF	5%	50V
C625	1-108-579-00	MYLAR	0.01MF	5%	50V
C626	1-108-599-00	MYLAR	0.068MF	5%	50V
C627	1-106-359-00	MYLAR	0.0047MF	5%	50V
C628	1-130-487-00	MYLAR	0.022MF	5%	50V
C629	1-106-343-00	MYLAR	0.001MF	5%	50V
C630	1-106-363-00	MYLAR	0.0068MF	5%	50V
C631	1-102-820-51	CERAMIC	330PF	10%	50V
C632	1-123-330-00	ELECT	22MF	20%	16V
C633	1-102-074-00	CERAMIC	0.001MF	10%	50V
C634	1-123-380-00	ELECT	1MF	20%	50V
C635	1-102-074-00	CERAMIC	0.001MF	10%	50V
C651	1-123-380-00	ELECT	1MF	20%	50V
C652	1-102-824-00	CERAMIC	470PF	5%	50V
C653	1-123-330-00	ELECT	22MF	20%	16V
C654	1-108-589-00	MYLAR	0.027MF	5%	50V
C655	1-108-577-51	MYLAR	0.0082MF	5%	50V
C656	1-123-380-00	ELECT	1MF	20%	50V
C671	1-101-005-00	CERAMIC	0.022MF		50V
C672	1-123-380-00	ELECT	1MF	20%	50V
C701	1-102-824-00	CERAMIC	470PF	5%	50V
C702	1-123-381-00	ELECT	2.2MF	20%	50V
C703	1-102-978-51	CERAMIC	220PF	5%	50V
C704	1-123-306-00	ELECT	47MF	20%	10V
C705	1-123-319-00	(AEP,UK,ITALY,G-AEP) ...ELECT	47MF	20%	16V
C705	1-123-332-00	(E).....ELECT	47MF	20%	25V
C707	1-130-495-00	MYLAR	0.1MF	5%	50V
C708	1-108-579-00	MYLAR	0.01MF	5%	50V
C801	1-102-824-00	CERAMIC	470PF	5%	50V
C802	1-123-381-00	ELECT	2.2MF	20%	50V
C803	1-102-978-51	CERAMIC	220PF	5%	50V
C804	1-123-306-00	ELECT	47MF	20%	10V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C805	1-123-319-00	(AEP,UK,ITALY,G-AEP) ...ELECT	47MF	20%	16V
C805	1-123-332-00	(E)....ELECT	47MF	20%	25V
C807	1-130-495-00	MYLAR	0.1MF	5%	50V
C808	1-108-579-00	MYLAR	0.01MF	5%	50V
C901 ⚠	1-162-579-12	CERAMIC	0.0047MF		400V
C902	1-101-005-00	CERAMIC	0.022MF		50V
C903	1-101-005-00	CERAMIC	0.022MF		50V
C904	1-124-557-11	ELECT	1000MF	20%	25V
C905	1-123-321-00	ELECT	220MF	20%	16V
C906	1-123-321-00	ELECT	220MF	20%	16V
C907	1-123-321-00	ELECT	220MF	20%	16V
C908	1-123-321-00	ELECT	220MF	20%	16V
C909	1-101-005-00	CERAMIC	0.022MF		50V
C910	1-101-005-00	CERAMIC	0.022MF		50V
C911	1-124-106-11	(E)....ELECT(BLOCK)	3300MF		50V
C911	1-125-183-00	(AEP,UK,ITALY,G-AEP) ...ELECT(BLOCK)	3300MF		35V
C912	1-124-106-11	(E)....ELECT(BLOCK)	3300MF		50V
C912	1-125-183-00	(AEP,UK,ITALY,G-AEP) ...ELECT(BLOCK)	3300MF		35V
C913	1-101-004-00	CERAMIC	0.1MF		50V
C914	1-123-359-00	ELECT	47MF	20%	35V
C915	1-123-345-00	ELECT	100MF	20%	35V
C916	1-130-495-00	MYLAR	0.1MF	5%	50V
C917	1-123-356-00	ELECT	10MF	20%	50V
C918	1-123-356-00	ELECT	10MF	20%	50V
C919	1-123-356-00	ELECT	10MF	20%	50V
C920	1-123-345-00	ELECT	100MF	20%	35V
CF101	1-527-964-00	FILTER, CERAMIC			
CF102	1-527-964-00	FILTER, CERAMIC			
CF103	1-527-937-00	FILTER, CERAMIC			
CNJ201*	1-564-507-11	PLUG, CONNECTOR 4P			
CNJ301*	1-564-505-11	PLUG, CONNECTOR 2P			
CNJ302*	1-564-506-11	PLUG, CONNECTOR 3P			
CNJ303*	1-564-508-11	PLUG, CONNECTOR 5P			
CNJ304*	1-564-505-11	PLUG, CONNECTOR 2P			
CNJ351*	1-564-511-11	PLUG, CONNECTOR 8P			
CNJ352*	1-564-509-11	PLUG, CONNECTOR 6P			
CNJ501*	1-564-506-11	PLUG, CONNECTOR 3P			
CNJ701*	1-564-510-11	PLUG, CONNECTOR 7P			
CT001	1-141-266-00	CAP, TRIMMER			
CT002	1-141-266-00	CAP, TRIMMER			
CT003	1-141-266-00	(E)...CAP, TRIMMER			
CT004	1-141-265-11	(AEP,UK,ITALY,G-AEP)...CAP, TRIMMER			
CT004	1-141-266-00	(E)......CAP, TRIMMER			
CT005	1-141-266-00	CAP, TRIMMER			
CT006	1-141-266-00	(E)...CAP, TRIMMER			
CT007	1-141-265-11	(AEP,UK,ITALY,G-AEP)...CAP, TRIMMER			
CT007	1-141-266-00	(E)......CAP, TRIMMER			
CT008	1-141-265-11	(AEP,UK,ITALY,G-AEP)...CAP, TRIMMER			
CT008	1-141-266-00	(E)......CAP, TRIMMER			
CV001	1-151-568-11	CAP, VAR, POLYETHYLENE			
CV002	1-151-568-11	CAP, VAR, POLYETHYLENE			
CV003	1-151-568-11	CAP, VAR, POLYETHYLENE			
CV004	1-151-568-11	CAP, VAR, POLYETHYLENE			

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
D001	8-719-815-55	DIODE 1S1555
D002	8-719-713-92	(E)....DIODE 1S2139B
D101	8-719-815-55	DIODE 1S1555
D102	8-719-815-55	DIODE 1S1555
D103	4-896-096-01	LED LTL-23231AL GRN
D201	8-719-100-41	DIODE RD6.8EB2
D202	4-896-095-01	LED LTL-23211AL RED
D203	4-896-093-01	LED LTL-3278A AMBER
D351	8-719-815-55	DIODE 1S1555
D352	8-719-815-55	DIODE 1S1555
D353	8-719-815-55	DIODE 1S1555
D354	8-719-815-55	DIODE 1S1555
D355	8-719-815-55	DIODE 1S1555
D356	8-719-815-55	DIODE 1S1555
D357	8-719-815-55	DIODE 1S1555
D358	8-719-815-55	DIODE 1S1555
D391	8-719-970-08	LED LTL-3211A RED
D451	8-719-815-55	DIODE 1S1555
D452	8-719-815-88	DIODE 1S1555
D571	8-719-970-04	DIODE LTL44514J-31 YEL
D572	8-719-970-04	DIODE LTL44514J-31 YEL
D573	8-719-970-04	DIODE LTL44514J-31 YEL
D574	8-719-970-05	DIODE LTL-3271A AMBER
D575	8-719-970-05	DIODE LTL-3271A AMBER
D671	8-719-970-04	DIODE LTL44514J-31 YEL
D672	8-719-970-04	DIODE LTL44514J-31 YEL
D673	8-719-970-04	DIODE LTL44514J-31 YEL
D674	8-719-970-05	DIODE LTL-3271A AMBER
D675	8-719-970-05	DIODE LTL-3271A AMBER
D901 ⚠	8-719-200-02	DIODE 10E2
D902 ⚠	8-719-200-02	DIODE 10E2
D903 ⚠	8-719-200-02	DIODE 10E2
D904 ⚠	8-719-200-02	DIODE 10E2
D905	8-719-100-65	DIODE RD12EB2
D906	8-719-100-65	DIODE RD12EB2
D907 ⚠	8-719-200-02	DIODE 10E2
D908	8-719-815-55	DIODE 1S1555
D909 ⚠	4-896-106-01	(AEP,UK,ITALY,G-AEP)...DIODE 2KBP02
D909 ⚠	4-896-168-01	(E).....DIODE KBU4D
F901 ⚠	1-532-285-00	(AEP,UK,ITALY,G-AEP)...FUSE, TIME-LAG
F901 ⚠	1-532-388-31	(E).....FUSE, TIME-LAG
F902 ⚠	1-532-285-00	FUSE, TIME-LAG
HE101	1-543-261-11	HEAD, ERASE (886-01-24)
HP101	1-543-424-11	HEAD, MAGNETIC (PB)
HRP101	1-543-424-11	HEAD, MAGNETIC (REC/PB)
IC001	8-759-801-96	IC LA1186
IC101	8-759-800-91	IC LA1260
IC201	8-759-833-61	IC LA3361
IC301	8-759-206-23	IC TA7784P
IC302	8-759-205-91	IC TA7668BP
IC451	8-759-938-06	IC BA313
IC521	8-759-801-23	IC LA3600

ELECTRICAL PARTS

Ref.No.	Part No.	Description
IC551	8-759-800-66	IC LA3161
IC571	8-759-801-04	IC LB1403N
IC621	8-759-801-23	IC LA3600
IC671	8-759-801-04	IC LB1403N
IC901 ⚠	8-749-941-21	(AEP,UK,ITALY,G-AEP)...IC STK4121II
IC901 ⚠	8-749-941-51	(E)...IC STK4151II
J001	1-536-708-00	TERMINAL BOARD, PUSH 4P (ANTENNA)
J451	1-507-694-00	JACK (MIC)
J501	1-566-646-11	JACK, PIN 2P (CD/AUX)
J701	1-507-683-00	JACK, LARGE-TYPE (HEADPHONES)
J702	1-536-705-00	TERMINAL BOARD (SP)
L001	1-402-285-11	COIL (FM ANT)
L002	1-422-344-11	COIL, AIR-CORE
L003	1-406-243-11	COIL (OSC)
L004	1-402-286-11	ANTENNA, FERITE-ROD (LW/MW)
L005	1-402-297-11	(E)...COIL (SW2 ANT)
L006	1-402-284-11	(AEP,UK,ITALY,G-AEP)...COIL (LW ANT)
L006	1-402-298-11	(E).....COIL (SW1 ANT)
L007	1-402-283-11	COIL (MW ANT)
L008	1-406-249-11	(E)...COIL (SW2 OSC)
L009	1-406-242-11	(AEP,UK,ITALY,G-AEP)...COIL (LW OSC)
L009	1-406-248-11	(E).....COIL (SW1 OSC)
L010	1-406-241-11	COIL (MW OSC)
L351	1-518-462-00	LAMP, PILOT (POWER RED WINDOW)
L391	1-433-328-11	TRANSFORMER, BIAS OSCILLATION
LPF201	1-236-035-11	FILTER, LOW PASS
LPF202	1-236-035-11	FILTER, LOW PASS
M1	X-3390-801-1	MOTOR ASSY (B DECK)
M2	X-3390-801-1	MOTOR ASSY (A DECK)
M3	4-895-034-01	MOTOR ASSY (PLAYER)
Q001	8-729-301-67	TRANSISTOR 2SK55-D
Q101	8-729-600-24	TRANSISTOR 2SC403SP-51
Q201	8-729-194-57	TRANSISTOR 2SC945-P
Q202	8-729-194-57	TRANSISTOR 2SC945-P
Q203	8-729-194-57	TRANSISTOR 2SC945-P
Q204	8-729-194-57	TRANSISTOR 2SC945-P
Q301	8-729-194-57	TRANSISTOR 2SC945-P
Q302	8-729-281-53	TRANSISTOR 2SC1815-GR
Q303	8-729-281-53	TRANSISTOR 2SC1815-GR
Q304	8-729-194-57	TRANSISTOR 2SC945-P
Q305	8-729-194-57	TRANSISTOR 2SC945-P
Q321	8-729-194-57	TRANSISTOR 2SC945-P
Q322	8-729-194-57	TRANSISTOR 2SC945-P
Q323	8-729-194-57	TRANSISTOR 2SC945-P
Q324	8-729-194-57	TRANSISTOR 2SC945-P
Q351	8-729-173-37	TRANSISTOR 2SA733-P
Q352	8-729-173-37	TRANSISTOR 2SA733-P
Q353	8-729-194-57	TRANSISTOR 2SC945-P
Q354	8-729-173-37	TRANSISTOR 2SA733-P
Q355	8-729-194-57	TRANSISTOR 2SC945-P
Q356	8-729-194-57	TRANSISTOR 2SC945-P
Q357	8-729-173-37	TRANSISTOR 2SA733-P
Q358	8-729-173-37	TRANSISTOR 2SA733-P
Q391	8-729-100-12	TRANSISTOR 2SC2001-L
Q392	8-729-194-57	TRANSISTOR 2SC945-P

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q393	8-729-100-12	TRANSISTOR 2SC2001-L
Q401	8-729-194-57	TRANSISTOR 2SC945-P
Q402	8-729-281-53	TRANSISTOR 2SC1815-GR
Q403	8-729-281-53	TRANSISTOR 2SC1815-GR
Q404	8-729-194-57	TRANSISTOR 2SC945-P
Q405	8-729-194-57	TRANSISTOR 2SC945-P
Q421	8-729-194-57	TRANSISTOR 2SC945-P
Q422	8-729-194-57	TRANSISTOR 2SC945-P
Q423	8-729-194-57	TRANSISTOR 2SC945-P
Q424	8-729-194-57	TRANSISTOR 2SC945-P
Q501	8-729-194-57	TRANSISTOR 2SC945-P
Q502	8-729-194-57	TRANSISTOR 2SC945-P
Q601	8-729-194-57	TRANSISTOR 2SC945-P
Q602	8-729-194-57	TRANSISTOR 2SC945-P
Q901	8-729-188-23	TRANSISTOR 2SD882
Q902	8-729-188-23	TRANSISTOR 2SD882
R001	1-249-397-11	CARBON 22 5% 1/4W
R002	1-249-405-11	CARBON 100 5% 1/4W
R003	1-249-441-11	CARBON 100K 5% 1/4W
R004	1-249-397-11	(UK,E).....CARBON 22 5% 1/4W
R004	1-249-405-11	(AEP,ITALY,G-AEP)..CARBON 100 5% 1/4W
R005	1-249-415-11	CARBON 680 5% 1/4W
R005(A)	1-249-393-11	(AEP,ITALY,G-AEP)..CARBON 10 5% 1/4W
R006	1-247-859-00	(E)...CARBON 15K 5% 1/4W
R007	1-247-887-00	(E)...CARBON 220K 5% 1/4W
R008	1-249-422-11	(E)...CARBON 2.7K 5% 1/4W
R101	1-249-415-11	(AEP,UK,ITALY,G-AEP)..CARBON 680 5% 1/4W
R101	1-249-417-11	(E).....CARBON 1K 5% 1/4W
R102	1-249-422-11	CARBON 2.7K 5% 1/4W
R103	1-249-417-11	CARBON 1K 5% 1/4W
R104	1-249-411-11	CARBON 330 5% 1/4W
R105	1-249-409-11	CARBON 220 5% 1/4W
R106	1-249-427-11	(AEP,UK,ITALY,G-AEP)..CARBON 6.8K 5% 1/4W
R106	1-249-425-11	(E)....CARBON 4.7K 5% 1/4W
R107	1-249-397-11	CARBON 22 5% 1/4W
R108	1-249-414-11	CARBON 560 5% 1/4W
R109	1-249-417-11	CARBON 1K 5% 1/4W
R110	1-249-426-11	CARBON 5.6K 5% 1/4W
R111	1-249-429-11	CARBON 10K 5% 1/4W
R112	1-249-425-11	CARBON 4.7K 5% 1/4W
R113	1-249-441-11	CARBON 100K 5% 1/4W
R114	1-249-418-11	CARBON 1.2K 5% 1/4W
R115	1-247-891-00	CARBON 330K 5% 1/4W
R141	1-249-417-11	(AEP,UK,ITALY,G-AEP)..CARBON 1K 5% 1/4W
R201	1-249-405-11	CARBON 100 5% 1/4W
R202	1-249-427-11	CARBON 6.8K 5% 1/4W
R203	1-249-417-11	CARBON 1K 5% 1/4W
R204	1-249-426-11	CARBON 5.6K 5% 1/4W
R205	1-249-418-11	CARBON 1.2K 5% 1/4W
R207	1-249-426-11	CARBON 5.6K 5% 1/4W
R208	1-249-417-11	(E)...CARBON 1K 5% 1/4W
R209	1-249-423-11	CARBON 3.3K 5% 1/4W
R210	1-249-423-11	CARBON 3.3K 5% 1/4W
R211	1-249-429-11	CARBON 10K 5% 1/4W
R212	1-249-429-11	CARBON 10K 5% 1/4W
R213	1-249-428-11	(AEP,UK,ITALY,G-AEP) ...CARBON 8.2K 5% 1/4W
R213	1-249-432-11	(E).....CARBON 18K 5% 1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R214	1-249-428-11	(AEP,UK,ITALY,G-AEP) ...CARBON 8.2K 5% 1/4W
R214	1-249-432-11	(E).....CARBON 18K 5% 1/4W
R215	1-249-425-11	CARBON 4.7K 5% 1/4W
R216	1-249-425-11	CARBON 4.7K 5% 1/4W
R217	1-249-414-11	CARBON 560 5% 1/4W
R218	1-249-414-11	CARBON 560 5% 1/4W
R219	1-249-416-11	CARBON 820 5% 1/4W
R301	1-249-393-11	CARBON 10 5% 1/4W
R302	1-249-433-11	CARBON 22K 5% 1/4W
R303	1-249-409-11	CARBON 220 5% 1/4W
R304	1-247-891-00	CARBON 330K 5% 1/4W
R305	1-249-427-11	CARBON 6.8K 5% 1/4W
R306	1-249-429-11	CARBON 10K 5% 1/4W
R307	1-249-411-11	CARBON 330 5% 1/4W
R308	1-249-433-11	CARBON 22K 5% 1/4W
R309	1-249-429-11	CARBON 10K 5% 1/4W
R310	1-249-433-11	CARBON 22K 5% 1/4W
R311	1-249-429-11	CARBON 10K 5% 1/4W
R312	1-249-433-11	CARBON 22K 5% 1/4W
R313	1-249-429-11	CARBON 10K 5% 1/4W
R314	1-249-441-11	CARBON 100K 5% 1/4W
R321	1-247-895-00	CARBON 470K 5% 1/4W
R322	1-249-417-11	CARBON 1K 5% 1/4W
R323	1-249-438-11	CARBON 56K 5% 1/4W
R324	1-249-405-11	CARBON 100 5% 1/4W
R325	1-247-053-00	CARBON 1M 5% 1/4W
R326	1-249-420-11	CARBON 1.8K 5% 1/4W
R327	1-249-421-11	CARBON 2.2K 5% 1/4W
R328	1-249-431-11	CARBON 15K 5% 1/4W
R329	1-249-411-11	CARBON 330 5% 1/4W
R330	1-249-425-11	CARBON 4.7K 5% 1/4W
R331	1-249-425-11	CARBON 4.7K 5% 1/4W
R332	1-249-433-11	CARBON 22K 5% 1/4W
R333	1-249-420-11	CARBON 1.8K 5% 1/4W
R334	1-249-425-11	CARBON 4.7K 5% 1/4W
R335	1-249-429-11	CARBON 10K 5% 1/4W
R336	1-249-433-11	CARBON 22K 5% 1/4W
R337	1-249-407-11	CARBON 150 5% 1/4W
R338	1-249-433-11	CARBON 22K 5% 1/4W
R351 ⚠	1-247-125-00	CARBON 560 5% 1/4W F
R351A	1-249-429-11	CARBON 10K 5% 1/4W
R352	1-249-429-11	CARBON 10K 5% 1/4W
R353	1-249-429-11	CARBON 10K 5% 1/4W
R354	1-249-426-11	CARBON 5.6K 5% 1/4W
R355	1-247-875-00	CARBON 68K 5% 1/4W
R356	1-249-435-11	CARBON 33K 5% 1/4W
R357	1-249-429-11	CARBON 10K 5% 1/4W
R358	1-249-429-11	CARBON 10K 5% 1/4W
R359	1-249-441-11	CARBON 100K 5% 1/4W
R360	1-249-429-11	CARBON 10K 5% 1/4W
R361	1-249-429-11	CARBON 10K 5% 1/4W
R362	1-249-441-11	CARBON 100K 5% 1/4W
R363	1-249-425-11	CARBON 4.7K 5% 1/4W
R364	1-249-425-11	CARBON 4.7K 5% 1/4W
R365 ⚠	1-247-135-00	CARBON 1.5K 5% 1/4W F
R366	1-249-429-11	CARBON 10K 5% 1/4W

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R367	1-249-429-11	CARBON	10K	5%	1/4W	
R368	1-249-429-11	CARBON	10K	5%	1/4W	
R369	1-249-429-11	CARBON	10K	5%	1/4W	
R370	1-249-425-11	CARBON	4.7K	5%	1/4W	
R371	1-249-429-11	CARBON	10K	5%	1/4W	
R372	1-249-429-11	CARBON	10K	5%	1/4W	
R373	1-249-433-11	CARBON	22K	5%	1/4W	
R374	1-249-429-11	CARBON	10K	5%	1/4W	
R375	1-249-429-11	CARBON	10K	5%	1/4W	
R376	1-249-433-11	CARBON	22K	5%	1/4W	
R377	1-249-429-11	CARBON	10K	5%	1/4W	
R378	1-249-429-11	CARBON	10K	5%	1/4W	
R379	1-249-407-11	CARBON	150	5%	1/4W	
R380	1-249-420-11	CARBON	1.8K	5%	1/4W	
R381	1-249-441-11	CARBON	100K	5%	1/4W	
R382	1-249-407-11	CARBON	150	5%	1/4W	
R383	1-249-441-11	CARBON	100K	5%	1/4W	
R384	1-249-420-11	CARBON	1.8K	5%	1/4W	
R385	1-249-433-11	CARBON	22K	5%	1/4W	
R386 ⚠	1-247-125-00	CARBON	560	5%	1/4W	F
R387 ⚠	1-247-125-00	CARBON	560	5%	1/4W	F
R388	1-247-745-11	CARBON	330	5%	1/2W	
R389	1-249-429-11	CARBON	10K	5%	1/4W	
R390	1-247-693-11	CARBON	27	5%	1/4W	
R391	1-249-429-11	CARBON	10K	5%	1/4W	
R393	1-249-431-11	CARBON	15K	5%	1/4W	
R394	1-249-393-11	CARBON	10	5%	1/4W	
R395	1-249-447-11	CARBON	1	5%	1/4W	
R396	1-247-745-11	CARBON	330	5%	1/2W	
R397-1	1-247-053-00	CARBON	1M	5%	1/4W	
R397-2	1-247-053-00	CARBON	1M	5%	1/4W	
R398	1-249-433-11	CARBON	22K	5%	1/4W	
R399	1-249-427-11	CARBON	6.8K	5%	1/4W	
R401	1-249-393-11	CARBON	10	5%	1/4W	
R402	1-249-433-11	CARBON	22K	5%	1/4W	
R403	1-249-409-11	CARBON	220	5%	1/4W	
R404	1-247-891-00	CARBON	330K	5%	1/4W	
R405	1-249-427-11	CARBON	6.8K	5%	1/4W	
R406	1-249-429-11	CARBON	10K	5%	1/4W	
R407	1-249-411-11	CARBON	330	5%	1/4W	
R408	1-249-433-11	CARBON	22K	5%	1/4W	
R409	1-249-429-11	CARBON	10K	5%	1/4W	
R410	1-249-433-11	CARBON	22K	5%	1/4W	
R411	1-249-429-11	CARBON	10K	5%	1/4W	
R412	1-249-433-11	CARBON	22K	5%	1/4W	
R413	1-249-429-11	CARBON	10K	5%	1/4W	
R414	1-249-441-11	CARBON	100K	5%	1/4W	
R421	1-247-895-00	CARBON	470K	5%	1/4W	
R422	1-249-417-11	CARBON	1K	5%	1/4W	
R423	1-249-438-11	CARBON	56K	5%	1/4W	
R424	1-249-405-11	CARBON	100	5%	1/4W	
R425	1-247-053-00	CARBON	1M	5%	1/4W	
R426	1-249-420-11	CARBON	1.8K	5%	1/4W	
R427	1-249-421-11	CARBON	2.2K	5%	1/4W	
R428	1-249-431-11	CARBON	15K	5%	1/4W	
R429	1-249-411-11	CARBON	330	5%	1/4W	
R430	1-249-425-11	CARBON	4.7K	5%	1/4W	
R431	1-249-425-11	CARBON	4.7K	5%	1/4W	
R432	1-249-433-11	CARBON	22K	5%	1/4W	
R433	1-249-420-11	CARBON	1.8K	5%	1/4W	
R434	1-249-425-11	CARBON	4.7K	5%	1/4W	
R435	1-249-429-11	CARBON	10K	5%	1/4W	
R436	1-249-433-11	CARBON	22K	5%	1/4W	
R437	1-249-407-11	CARBON	150	5%	1/4W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R438	1-249-433-11	CARBON	22K	5%	1/4W
R451	1-249-421-11	CARBON	2.2K	5%	1/4W
R452	1-249-421-11	CARBON	2.2K	5%	1/4W
R453	1-249-441-11	CARBON	100K	5%	1/4W
R454	1-249-441-11	CARBON	100K	5%	1/4W
R455	1-249-414-11	CARBON	560	5%	1/4W
R456	1-249-417-11	CARBON	1K	5%	1/4W
R457	1-249-429-11	CARBON	10K	5%	1/4W
R458	1-249-438-11	CARBON	56K	5%	1/4W
R459	1-247-053-00	CARBON	1M	5%	1/4W
R460	1-249-441-11	CARBON	100K	5%	1/4W
R461	1-249-429-11	CARBON	10K	5%	1/4W
R501	1-249-421-11	CARBON	2.2K	5%	1/4W
R502	1-247-053-00	CARBON	1M	5%	1/4W
R503	1-249-427-11	CARBON	6.8K	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W
R505	1-215-489-00	CARBON	680K	5%	1/4W
R506	1-249-417-11	CARBON	1K	5%	1/4W
R507	1-249-429-11	CARBON	10K	5%	1/4W
R508	1-249-441-11	CARBON	100K	5%	1/4W
R521	1-249-425-11	CARBON	4.7K	5%	1/4W
R522	1-249-417-11	CARBON	1K	5%	1/4W
R523	1-249-421-11	CARBON	2.2K	5%	1/4W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R541	1-249-437-11	CARBON	47K	5%	1/4W
R542	1-249-425-00	CARBON	4.7K	5%	1/4W
R551	1-249-425-00	CARBON	4.7K	5%	1/4W
R552	1-249-437-11	CARBON	47K	5%	1/4W
R553	1-249-417-11	CARBON	1K	5%	1/4W
R554	1-247-835-11	CARBON	1.5K	5%	1/4W
R556	1-249-441-11	CARBON	100K	5%	1/4W
R557	1-247-853-00	CARBON	8.2K	5%	1/4W
R558	1-249-417-11	CARBON	1K	5%	1/4W
R559	1-249-431-11	CARBON	15K	5%	1/4W
R571	1-247-883-11	(AEP,UK,ITALY,G-AEP) ...CARBON	150K	5%	1/4W
R571	1-249-437-11	(E)...CARBON	47K	5%	1/4W
R572	1-249-441-11	CARBON	100K	5%	1/4W
R573	1-249-441-11	CARBON	100K	5%	1/4W
R601	1-249-421-11	CARBON	2.2K	5%	1/4W
R602	1-247-053-00	CARBON	1M	5%	1/4W
R603	1-249-427-11	CARBON	6.8K	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W
R605	1-215-489-00	CARBON	680K	5%	1/4W
R606	1-249-417-11	CARBON	1K	5%	1/4W
R607	1-249-429-11	CARBON	10K	5%	1/4W
R608	1-249-441-11	CARBON	100K	5%	1/4W
R621	1-249-425-11	CARBON	4.7K	5%	1/4W
R622	1-249-417-11	CARBON	1K	5%	1/4W
R623	1-249-421-11	CARBON	2.2K	5%	1/4W
R624	1-249-429-11	CARBON	10K	5%	1/4W
R641	1-249-437-11	CARBON	47K	5%	1/4W
R642	1-249-425-00	CARBON	4.7K	5%	1/4W
R651	1-249-425-00	CARBON	4.7K	5%	1/4W
R652	1-249-437-11	CARBON	47K	5%	1/4W
R653	1-249-417-11	CARBON	1K	5%	1/4W
R654	1-247-835-00	CARBON	1.5K	5%	1/4W
R656	1-249-441-11	CARBON	100K	5%	1/4W

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R657	1-247-853-00	CARBON	8.2K	5%	1/4W	
R658	1-249-417-11	CARBON	1K	5%	1/4W	
R659	1-249-431-11	CARBON	15K	5%	1/4W	
R671	1-247-883-11	(AEP,UK,ITALY,G-AEP) ...CARBON	150K	5%	1/4W	
R671	1-249-437-11	(E)...CARBON	47K	5%	1/4W	
R672	1-249-441-11	CARBON	100K	5%	1/4W	
R673	1-249-441-11	CARBON	100K	5%	1/4W	
R701	1-247-713-11	CARBON	1K	5%	1/4W	
R702	1-249-466-11	CARBON	56K	5%	1/4W	
R703	1-247-823-00	(E)...CARBON	470	5%	1/4W	
R703	1-249-414-11	(AEP,UK,ITALY,G-AEP) ...CARBON	560	5%	1/4W	
R704	1-249-466-11	CARBON	56K	5%	1/4W	
R705	1-247-717-11	CARBON	2.2K	5%	1/4W	
R706	1-247-717-11	CARBON	2.2K	5%	1/4W	
R707 ⚠	1-211-626-00	CARBON	330	5%	1/2W	F
R708 ⚠	1-217-430-00	(G-AEP)...FUSIBLE	4.7	5%	1/2W	F
R709 ⚠	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R801	1-247-713-11	CARBON	1K	5%	1/4W	
R802	1-249-466-11	CARBON	56K	5%	1/4W	
R803	1-247-823-00	(E)...CARBON	470	5%	1/4W	
R803	1-249-414-11	(AEP,UK,ITALY,G-AEP) ...CARBON	560	5%	1/4W	
R804	1-249-466-11	CARBON	56K	5%	1/4W	
R805	1-247-717-11	CARBON	2.2K	5%	1/4W	
R806	1-247-717-11	CARBON	2.2K	5%	1/4W	
R807 ⚠	1-211-626-00	CARBON	330	5%	1/2W	F
R808 ⚠	1-217-430-00	(G-AEP)...FUSIBLE	4.7	5%	1/2W	F
R809 ⚠	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R901 ⚠	1-212-393-00	FUSIBLE	4.7	5%	1W	F
R902	1-247-747-11	CARBON	470	5%	1/2W	
R903 ⚠	1-212-393-00	FUSIBLE	4.7	5%	1W	F
R904	1-247-747-11	CARBON	470	5%	1/2W	
R905 ⚠	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R906	1-247-752-11	CARBON	1K	5%	1/2W	
R907	1-249-464-11	CARBON	39K	5%	1/4W	
R908	1-246-525-00	CARBON	150K	5%	1/4W	
R909	1-246-529-00	CARBON	220K	5%	1/4W	
R910	1-247-725-11	CARBON	10K	5%	1/4W	
R911	1-247-752-11	CARBON	1K	5%	1/2W	
R912	1-247-752-11	CARBON	1K	5%	1/2W	
R913	1-247-700-11	CARBON	100	5%	1/4W	
R914 ⚠	1-212-881-11	FUSIBLE	100	5%	1/4W	F
RV351	1-228-990-00	RES, ADJ, CARBON 1K (DECK B TAPE SPEED:NORMAL)				
RV352	1-228-991-00	RES, ADJ, CARBON 2.2K (DECK B TAPE SPEED:HIGH)				
RV353	1-228-990-00	RES, ADJ, CARBON 1K (DECK A TAPE SPEED:NORMAL)				
RV354	1-228-991-00	RES, ADJ, CARBON 2.2K (DECK A TAPE SPEED:HIGH)				
RV401	1-237-767-11	RES, VAR, SLIDE 100K (GEQ 100Hz)				
RV402	1-237-767-11	RES, VAR, SLIDE 100K (GEQ 400Hz)				
RV403	1-237-767-11	RES, VAR, SLIDE 100K (GEQ 1kHz)				
RV404	1-237-767-11	RES, VAR, SLIDE 100K (GEQ 4kHz)				
RV405	1-237-767-11	RES, VAR, SLIDE 100K (GEQ 12kHz)				
RV406	1-237-768-11	RES, VAR, SLIDE 50K/50K (VOLUNE)				
S101	1-571-134-11	(AEP,UK,ITALY,G-AEP) ...SWITCH, PUSH (5 KEY)(FM)				

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S101	1-571-191-11	(E).....SWITCH, PUSH (5 KEY)(FM)
S102	1-571-134-11	(AEP,UK,ITALY,G-AEP) ...SWITCH, PUSH (5 KEY)(MW)
S102	1-571-191-11	(E).....SWITCH, PUSH (5 KEY)(MW)
S103	1-571-134-11	(AEP,UK,ITALY,G-AEP) ...SWITCH, PUSH (5 KEY)(LW)
S103	1-571-191-11	(E).....SWITCH, PUSH (5 KEY)(SW1)
S104	1-571-191-11	(E)...SWITCH, PUSH (5 KEY)(SW2)
S304	4-895-068-01	LIEF, SW (PLAYER MOTOR)
S351	1-554-573-00	SWITCH, PUSH(1 KEY)(DECK A TAPE SELECT)
S352	1-554-573-00	SWITCH, PUSH(1 KEY)(DECK B TAPE SELECT)
S353	1-554-573-00	SWITCH, PUSH(1 KEY)(DUBBING SPEED)
S354	1-570-716-11	SWITCH, LEAF (B DECK FWD)
S355	1-570-715-11	SWITCH, LEAF (B DECK MOTOR)
S356	1-570-715-11	SWITCH, LEAF (A DECK MOTOR)
S361	1-571-136-11	SWITCH, PUSH (4 KEY)(TAPE)
S362	1-571-136-11	SWITCH, PUSH (4 KEY)(CD/AUX)
S363	1-571-136-11	SWITCH, PUSH (4 KEY)(TUNER)
S364	1-571-136-11	SWITCH, PUSH (4 KEY)(PHONO)
S391	1-571-135-11	SWITCH, PUSH (1 KEY)(REC/PB)
S392	1-571-133-11	SWITCH, SLIDE (ISS)
S901 ⚠	1-554-471-00	SWITCH, PUSH (AC POWER)
S902 ⚠	1-571-282-11	(E)...SWITCH, VOLTAGE CHANGE (110-120V/220-240V)
SFR201	1-230-325-11	RES, ADJ, CARBON 10K (VCO)
T001	1-404-748-11	COIL (FM IFT)
T102	1-404-747-11	COIL (FM IFT)
T103	1-404-413-00	TRANSFORMER, IF (AM IF)
T901 ⚠	1-448-962-11	(UK:XO-D1CD)...TRANSFORMER, POWER
T901 ⚠	1-449-037-11	(E).....TRANSFORMER, POWER
T901 ⚠	1-449-142-11	(AEP,ITALY,G-AEP)...TRANSFORMER, POWER
T901 ⚠	1-449-143-11	(UK:XO-D1).....TRANSFORMER, POWER
VR001	1-237-998-11	(E)...RES, VAR, CARBON 10K(FINE TUNNING)

ACCESSORY & PACKING MATERIAL

3-765-905-11	(AEP,ITALY,E)...MANUAL, INSTRUCTION
3-765-905-41	(UK).....MANUAL, INSTRUCTION
3-765-905-51	(AEP,ITALY).....MANUAL, INSTRUCTION
4-896-065-01	(AEP,UK,ITALY,G-AEP)...SNOW BOX (T)
4-896-066-01	(AEP,UK,ITALY,G-AEP)...SNOW BOX (B)
4-896-067-01	(UK:XO-D1).....GIFT BOX
4-896-068-01	(UK:XO-D1CD).....GIFT BOX
4-896-071-01	(AEP,ITALY,G-AEP)...GIFT BOX
4-896-144-01	(E).....GIFT BOX
4-896-070-01	SOFT SHEET
4-896-069-01	(UK:XO-D1CD)...SPACER
4-896-139-01	(E)...SPEAKER BOX (SS-D1)
4-896-140-01	(E)...SNOW BOX (SS)
4-896-142-01	(E)...SNOW BOX (T)
4-896-143-01	(E)...SNOW BOX (B)

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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